PUBLIC HEALTH REPORTS.

STATEMENT OF THE SANITARY CONDITION OF SEATTLE, WASH.

By M. W. Glover, passed assistant surgeon, United States Public Health and Marine-Hospital Service.

The city of Seattle is situated on a bay of Puget Sound. The town site rises in a series of hills almost from the water's edge, the highest point in the city being about 643 feet above the sea level. It covers an area of about 55,000 acres, and encircles two fresh-water lakes and skirts the western border of a third.

The climate is characterized by a short, dry summer, with only moderately warm days and cool nights, and a very rainy, but not cold, fall, winter, and spring. The maximum temperature of 1908 was 88° F. on August 18, the minimum 25° F. on February 1, and the

mean for the year 50.9° F.

During June, July, August, and September of 1908 the total precipitation was 1.44 inches; during the rest of the year it was 26.81

inches, making a total of 28.25 inches for the year.

It is estimated that the population of Seattle has nearly doubled in the last 3 years. The last United States census (1900) reported Seattle as having 80,671 inhabitants. The city directory estimate for 1908 is 276,000, and this figure is the one that has been used by the local health department in computing the death and birth rates for 1908.

The rapid growth of the city, the phenomenal rise in property values, and the erection of hasty and cheap wooden buildings handicapped the development of sanitation in the city, and it was not until the occurrence of plague in October, 1907, concentrated attention on the city's insanitary condition that the advocates of an improved municipal sanitation were given a hearing. The campaign of cleaning instituted by the United States Public Health and Marine-Hospital Service in the fall of 1907 opened the eyes of the taxpayers to the necessity of an up-to-date health department. The reorganization of the department of health and sanitation was accomplished in March, 1908. Advantage was taken of the more recent advances in municipal sanitation and a department established that ranks with the best in the United States. The drop in the death rate from 9.27 in 1907 to 7.35 in 1908 is claimed to be due to the cleaning campaign begun in the fall of 1907 and the continuance of the work by the reorganized health department. The birth and death rates for the years 1905-1908, inclusive, as given by the health department, are as follows: Average birth rate per 1,000 in 1905, 11.38; 1906, 12.21; 1907, 13.07; 1908, 13.29. Average death rate per 1,000 in 1905, 7.37; 1906, 7.80; 1907, 9.27; 1908, 7.35.

The principal causes of death during 1908 were: Tuberculosis, 218; external violence, 191; organic heart disease, 186; chronic

nephritis, 98; cancer, 94; pneumonia, 93; diarrhea and enteritis (under 2 years), 73; apoplexy, 71; senility, 70; suicide, 68; premature births, 45; typhoid fever, 43. In 1907 there were 91 deaths from typhoid fever. The total number of deaths in 1908 was 1,953, as compared with 2,040 in 1907, notwithstanding an estimated increase of population from 200,000 to 276,000.

ORGANIZATION OF CITY HEALTH DEPARTMENT.

As now constituted, the Seattle department of health and sanitation is headed by a commissioner, appointed by the mayor and confirmed by the council, whose term of office is five years. The present incumbent is Dr. James E. Crichton, who took office March 23, 1908. He is held directly responsible for the conduct of his department and is given ample authority to enforce the city ordinances and regulations relative to health matters. He has a chief clerk, who is his executive officer and who, with 2 assistants, keeps all records and compiles the statistical reports. Each branch of the department is headed by a chief inspector, who is responsible directly to the commissioner for the conduct of his division. The chief medical inspector has charge of contagious diseases, school inspection, city hospitals, dispensary, and laboratories.

The city ordinances require the reporting of all contagious diseases. On the receipt of these reports the health department notifies the superintendent of public schools, the chief of police, and the librarian of the public library of the existence of the disease, giving the name, address, and number of house. Smallpox, scarlet fever, diphtheria, and bubonic plague are placarded and quarantined. Other contagious diseases are placarded and excluded from school, but not quarantined. Quarantine is maintained in scarlet fever until desquamation is complete; in diphtheria, until 2 successive negative cultures, at least 24 hours apart, have been obtained, the latter of which is taken by the health department; in smallpox, until all scabs

are replaced by healed surfaces.

The maintenance of quarantine and the disinfection of rooms and houses is under the charge of the chief quarantine officer, who has 3 assistants and 6 guards. Following the recovery or death of any quarantined case the room or house is disinfected, formaldehyde gas being the agent used. This is also done on the death or removal of a case of tuberculosis.

Typhoid fever cases reported are investigated by the sanitary inspectors and an effort is made to ascertain the source of contagion

and to prevent the spread of the disease.

CITY HOSPITAL.

The department has recently opened a municipal hospital of 56 beds for the treatment of the indigent sick and emergency cases. In connection with this there is an out-patient dispensary for the treatment of the indigent sick. The number of cases treated at this dispensary during 1908 was 3,232. There are no other free dispensaries in the city. To one who has seen the overworked dispensaries of eastern cities the absence of this class of patients in Seattle is sur-

prising and can only be attributed to the almost complete absence of a pauper class. The number of public hospitals, aside from those under the control of the health department, is small, there being but 5 general hospitals and 1 recently established orthopedic hospital. These hospitals are always full and there is room for a larger and more

up-to-date hospital.

The only contagious disease hospital aside from the municipal one for smallpox is a small private hospital. The lack of a proper contagious disease hospital is severely felt and constitutes one of the most serious handicaps to competent health work in Seattle at present. It has been impossible to secure an appropriation for this purpose in the past and there has been much opposition to the establishment of such an institution in the city on the part of property owners.

DISPOSAL OF THE DEAD.

The method of disposal of the dead most commonly used in Seattle is interment in the ground, and funerals are generally held from the various undertaking establishments. There are 8 cemeteries within the city limits and 1 crematory. In addition, there is the King

County cemetery in which the pauper dead are buried.

Burial permits are issued from the health office in accordance with the state law on receipt of properly filled-out death certificates. In case of a death in quarantine the body must be sealed in a metallic casket if a public funeral is held. Otherwise the body is wrapped in a sheet soaked in formalin and buried directly from the place of death under the supervision of the quarantine officer.

SCHOOL INSPECTION.

Seattle has 61 schools with an enrollment of 26,489 pupils. A system of medical inspection of the pupils has been established by the health department. Ten physicians and 3 nurses conduct the inspection, each school being visited once a week. A physical record of each child is kept on a card from his entrance to school until he graduates or leaves. Children with contagious diseases are excluded from school and readmitted only on permission of the medical inspector. Vaccination is a compulsory condition of entrance to school. Physical defects or other diseases than contagious ones are noted and a card is sent to the parent or guardian calling attention to the child's condition, and if treatment is instituted a return card is filled out by the attending physician.

While not under the supervision of the health department an important factor in the hygienic care of the children of the city is the establishment in the last two years of public playgrounds by the board of park commissioners. Five distinctive playgrounds, improved and equipped, are now in operation and by the end of the year 1909 Seattle will have 19 playgrounds with an area of 100 acres. Gymnastic apparatus and appliances have been established in several playgrounds and are under the supervision of a corps of physical instructors. In addition to these, Seattle has 14 improved and 10 unimproved parks varying in size from 200 acres to 2 or 3 acres.

SANITARY INSPECTION.

The chief sanitary engineer has charge of the sanitary inspectors, market, milk, meat, and plumbing inspectors, watershed patrol, and

the rat trappers and poisoners.

A house to house canvas is made by the sanitary inspectors, who report upon every feature of the sanitary arrangement and condition of each house, such as drainage, sewerage, plumbing, ventilation and storage, and disposal of garbage and rubbish. The abatement of nuisances is effected by verbal or written notice, and by prosecuting the owner or ordering the premises vacated if the notice is disregarded. Permits for the construction and repair of plumbing are issued by the sanitary department. A plumbing inspector makes a preliminary inspection when the plumbing has been roughed in, and a final inspection upon the completion of the work.

The inspection of food in Seattle is carried on under the supervision of the State of Washington. Under the authority, however, of one of the city ordinances, which forbids the adulteration of foods, inspection is made by the city sanitary inspectors of meats, butter, candies, and other foods capable of adulteration or sophistication.

MILK INSPECTION.

Within the past year great improvement has been noted in the character of the milk marketed in Seattle and a greater improvement in the conditions under which it is produced. The state law will require, beginning January, 1910, that market milk shall contain less than 200,000 bacteria per cubic centimeter. During 1908, 65.8 per cent of all market milk in Seattle ran below 30,000 per cubic centimeter, and only 13 per cent went above 100,000 per cubic centimeter.

The percentage of fats required is 3.20.

The improvement is to be credited to the reorganized city health and sanitation department. Permits to sell and deliver milk in the city or to ship it into the city are issued by the commissioner of health on application and after an inspection of the plant and conditions under which the milk is handled. Inspections are made 3 times a month of all milk and dairy plants and samples taken and analyzed. Samples are taken from wagons, trains, restaurants, and stores at unstated intervals and examined, and punishment is invoked for any failure to comply with the state laws, city ordinances, and rules and regulations of the health department.

WATER SUPPLY.

The water supply of the city of Seattle is from the Cedar River, the source of which is at an approximate elevation of 6,000 feet above city datum in the Cascade Mountains to the southeast of Seattle. The water is brought about 28 miles to the city by gravity through woodstave pipes. There are in service about 400 miles of water mains, which serve about 37 per cent of the city. It is expected to extend this service to the entire city during the coming year.

The entire water system is owned and operated by the municipality, and power is obtained from the falls of Cedar River to run the munici-

pal electric-lighting plant. The average cost to the householder for

water is \$1 per month.

The watershed from which this supply is obtained contains about 140 square miles. The city has acquired title to about 12 square miles, and 82 square miles are under condemnation proceedings. This will give the city practical control of the watershed, as the balance of the land is for the most part either incapable of improvement or in the government reserve. The policing of this section is in charge of the city health department, and inspectors patrol the course of the river with a view to the prevention of pollution of the city's water supply.

The daily consumption of water is 66,000,000 gallons.

Weekly samples of the water for bacteriological examination are taken at the outlet of the pipe lines which conduct the water into the city, and a graphic curve of the findings is kept on record in the office of the commissioner of health. The bacterial count of Cedar River water varies between 30 and 4,000 per cubic centimeter, usually running from 200 to 1,000 and reaching the highest point after the beginning of the rainy season in the fall.

THE BULLETIN.

A résumé of the work of the health department would be incomplete without a reference to the Bulletin of the Department of Health and Sanitation. This is an 8-page monthly publication issued by the health department and distributed gratis. It contains in addition to the vital statistics for the previous month several articles written for the laity on popular medical or hygienic subjects, and is of undoubted educational value.

DISPOSAL OF WASTE.

The city of Seattle produces about 200 tons of waste daily, including ashes, manure, rubbish, table refuse, etc. The ultimate disposal of this waste is a problem not as yet solved by the municipality. The waste is collected by private wagons, licensed by the city, the house-

holder paying a weekly sum for the service.

In December, 1907, the city-completed the erection of a garbage incinerator of the Meldrum type at a total cost, exclusive of grounds, of \$36,134.50. This incinerator has a rated capacity of 67 tons of 2,000 pounds for 24 hours, and uses no fuel other than that contained in the refuse. During the past year this incinerator has burned on an average 70 tons daily, at an average cost of 50 cents per ton. Of the remainder of the city's waste it is estimated that about 70 tons are dumped on the tide flats and burned in the open, and that the balance is disposed of by private burning, dumping into Puget Sound, or on vacant lots.

The present system of garbage collection is unsatisfactory, many outlying parts of the city being unvisited by the collectors. The city health department hopes to have established additional incinerators to dispose of all the city's waste and also some system of municipal

collection in the near future.

SEWAGE DISPOSAL.

The sewerage system of the city of Seattle is known as the "combined gravity system." That is, one line of sewer pipe is laid in street or alley, to receive drainage both from private premises and from the streets, and flows by gravity to its outlet, which is in deep water in Puget Sound, far enough from shore not to create a nuisance at the shore line. This system has proven very satisfactory so far, there being no trouble from flotation and its deposit upon the shores of the Sound.

The city of Seattle has an area of about 60 square miles, of which about 22½ per cent is being served by sewers. There are 245 miles of sewers in the city, which have cost to November 1, 1909, \$3,237,619.76. When a sewer has been laid in any street or alley and accepted by the city, it becomes incumbent upon all abutting property to connect therewith, as provided by city ordinance. Where there is city water service, but no sewer near enough for direct connection, owners are required to install proper cesspool or septic tank to receive the waste matter from their houses. In parts of the city where there is no water service yault toilets are allowed.

LABORATORIES.

The city health department maintains 2 laboratories, one chemical and one bacteriological. In the first are conducted milk, water, and food analyses, while the latter conducts bacteriological examinations of milk and water and tests for diphtheria, tuberculosis, and typhoid fever. In addition, the city maintains the plague laboratory conducted by the United States Public Health and Marine-Hospital Service for the examination of rodents suspected of having bubonic plague.

Three verified human cases of bubonic plague occurred in the latter months of 1907. A vigorous antiplague campaign was inaugurated under the direction of the United States Public Health and Marine-Hospital Service, which campaign was later taken over by the municipal authorities with the exception of the fumigation of ships and the bacteriological examinations. The last plague-infected rat was

delivered in September, 1908.

Seattle was confronted by certain special difficulties in its antiplague work. Owing to the newness and rapid growth of the city, the cheapness of timber, and the high wages of labor, lumber is extensively used for building purposes, and the wholesale district is largely built up with wooden structures. Back of the wharves were the railroad tracks, streets, and buildings resting upon piles high in the air above the water and a tide-washed shore line with accumulated rubbish. Along the water front to the south the brush bulkheads harbored immense numbers of rats.

These and other insanitary conditions were greatly mitigated during the antiplague campaign. There is still maintained a vigorous system of inspection with a view to the removal of accumulated rubbish, etc. An unremitting warfare is waged on the rats by means of trappers, poisoners, and bounty. For the bacteriological examination of rats the United States Public Health and Marine-Hospital Service provides a commissioned officer with laboratory equipment.

During the fiscal year ended June 30, 1909, 48,652 rats were examined in this laboratory. This laboratory work is about to be resumed after a temporary suspension owing to the necessity of evacuating the building on account of regrade work.

Owing to the ever-present danger of an invasion of bubonic plague, this or a similar line of work should be a part of public-health routine

in Seattle and all other Pacific seaports.

Seattle has a frontage on tide water of about 5 miles. The greater part of this is occupied by wharves. These have been built on piling out into deep water. The wretched condition of this water front from a sanitary standpoint has aroused interest in the project of building a sea wall and filling in to street level the low-lying ground now hidden beneath wooden roadways and buildings erected on piling. This promises not only to be a very expensive proposition, but a long-delayed one on account of questions of authority, responsibility, and title to shore line.

The sanitary condition of Seattle, judged from the statistical tables and the amount of sickness, is very good, but in forming any judgment of this sort the character of the population must be taken into consideration. The city is young and rapidly growing. The people who come here are in some measure of the pioneer class; they

are, as a rule, young and in good physical condition.

The residences are frame for the most part and, building lots being large, each house is separate from its neighbor and has ample air space and light. The hilly nature of the city, while it lends variety to the landscape and simplifies the disposal of sewage, is undoubtedly a causative factor in the high death rate from organic heart disease.

Sanitary questions demanding immediate attention are the collection and disposal of garbage and the establishment of a contagiousdisease hospital. As these questions involve an expenditure of extra money they will, under the city charter, have to be voted upon by the citizens after the municipal authorities have arrived at some definite plan of solving these questions.

definite plan of solving these questions.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

PELLAGRA.

CALIFORNIA.

Surgeon Blue reports, November 27:

Two well-defined cases of pellagra have been found among the inmates of the Alameda County Infirmary at San Leandro, Cal. Investigation of the Relief Home in San Francisco for pellagra did not reveal the disease in positive form among the 1,300 people therein.

The cases examined in the Alameda Infirmary presented characteristic lesions. One of these, an Irishman by birth, was stricken 30 years ago. He was a resident of this State at the time. The other patient, a Cape de Verde islander, has resided in California for 25 years, but can not give an accurate account of himself.

Surgeon Brooks reports, November 30:

The medical superintendent of the Southern California State Hospital has informed me that there have been but 2 cases of pellagra, diagnosed as such, which have come under his observation; both of these were in the hospital and both were females. Of the 2 cases, 1 was born in Iowa and the other was Canadian by birth, but had lived in the Middle States. Both were housewives. One of these cases proved rapidly fatal. The other is now convalescing.

Plague-prevention work in California.

Surgeon Blue reports:

SAN FRANCISCO, CAL.

Last case of human plague: Sickened, January 30, 1908. Last case of rodent plague: Trapped, October 23, 1908.

Week ended November 27.

| Week Charles 110000000 St. | |
|---|-----|
| Premises inspected. Houses destroyed. | 185 |
| Houses destroyed | 3 |
| Buildings condemned | 7 |
| Buildings condemned Nuisances abated | 38 |
| Poisons placed | 730 |
| Rats trapped | 743 |
| Rats identified: | |
| Mus norvegicus | 340 |
| Mus rattus. | 61 |
| Mus musculus | 294 |
| Mus alexandrinus. | 48 |
| Total | 743 |
| Rats examined bacteriologically | 107 |
| Rats found infected with B. pestis | 0 |
| Total number of rats found infected to date | 398 |

OAKLAND, CAL.

Last case of human plague: Sickened, October 26, 1909. Last case of rodent plague: Found, December 1, 1908.

Week ended November 27.

| Week entitle Wolfenber 21. | |
|--|-----|
| Dead inspected. | 27 |
| Plague Necropsies held Rats found dead | 0 |
| Necropsies held | 2 |
| Rats found dead | 27 |
| Rats trapped | 680 |
| Rats identified: | _ |
| Mus norvegicus | 670 |
| Mus rattus. | 2 |
| Mus musculus | 35 |
| Total | 707 |
| Rats examined bacteriologically | 672 |
| Rats found infected with B. pestis | U |

ALAMEDA COUNTY, CAL. (EXCLUSIVE OF OAKLAND).

Last case of human plague: Sickened, 2 miles southwest of Sunol, September 24, 1909. Last case of rodent plague: Found, October 31, 1909.

Week ended November 27.

| Trees create a received a re- | |
|---|----|
| Dead inspected | 54 |
| Plague | 0 |
| Necropsies held | 2 |
| Total number of ground squirrels found infected to date | |
| Total number of wood rats found infected to date | 1 |

CONTRA COSTA COUNTY, CAL. (EXCLUSIVE OF POINT RICHMOND).

Last case of human plague: Sickened, July 21, 1908. Last case of rodent plague: Found, September 28, 1909.

Week ended November 27.

| Dead inspected | 1 |
|---|-----|
| Plague | 0 |
| Total number of ground squirrels found infected to date | 240 |

FRESNO COUNTY, CAL. .

No record of human or rodent plague in Fresno County.

Week ended November 27.

| Ranches inspected | 18 |
|--|----|
| Ground squirrels shot | 80 |
| Ground squirrels found dead | 36 |
| Chipmunks shot | 2 |
| Ground squirrels examined bacteriologically | 00 |
| Ground squirrels found infected with B. pestis | 0 |
| Chipmunks examined bacteriologically | 2 |
| Chipmunks found infected with B. pestis | 0 |
| | |

KERN COUNTY, CAL.

No record of human or rodent plague in Kern County.

Week ended November 27.

| Ranches inspected | 9 |
|---|----|
| Ground squirrels shot. | 86 |
| Ground squirrels examined bacteriologically | 82 |
| Ground squirrels found infected with B. pestis. | 0 |

MERCED COUNTY, CAL.

No record of human or rodent plague in Merced County.

| Week ended November 27. |
|--|
| anches inspected |
| round squirrels shot |
| abbits shot |
| round squirrels examined bacteriologically |
| round squirrels found infected with B. pestis |
| abbits examined bacteriologicallyabbits found infected with B. pestis. |
| about found infected with b. pestis |
| MONTEDEN COUNTY CAL |

MONTEREY COUNTY, CAL.

No record of human or rodent plague in Monterey County.

Week ended November 27.

| Ranches inspected | 44 |
|--|-----|
| Ground squirrels shot | 237 |
| Rabbits shot | 1 |
| Ground squirrels examined bacteriologically | |
| Ground squirrels found infected with B. pestis | |
| Rabbits examined bacteriologically | |
| Rabbits found infected with B. pestis | 0 |

SAN JOAQUIN COUNTY, CAL.

No record of human or rodent plague in San Joaquin County.

Week ended November 27.

| Ranches inspected | 12 |
|---|----|
| Ground squirrels shot | 83 |
| Ground squirrels examined bacteriologically | 80 |
| Ground squirrels found infected with B. pestis. | 0 |

SAN LUIS OBISPO COUNTY, CAL.

No record of human or rodent plague in San Luis Obispo County.

Week ended November 27.

| Ranches inspected | 33 |
|--|-----|
| Ground squirrels shot. | 234 |
| Ground squirrels examined bacteriologically | 226 |
| Ground squirrels found infected with B. pestis | 0 |

SANTA BARBARA COUNTY, CAL.

No record of human or rodent plague in Santa Barbara County.

Week ended November 27.

| Ranches inspected | 23 |
|--|-----|
| Ground squirrels shot | 162 |
| Ground squirrels examined bacteriologically | 154 |
| Ground squirrels found infected with B. pestis | 0 |

SANTA CRUZ COUNTY, CAL.

Last case of rodent plague: Found, November 6, 1909.

Week ended November 27.

| Ranches inspected | 18 |
|---|----|
| Ground squirrels shot | 52 |
| Ground squirrels examined bacteriologically | 50 |
| Ground squirrels found infected with B. pestis | 0 |
| Total number of ground squirrels found infected to date | 1 |

TULARE COUNTY, CAL.

No record of human or rodent plague in Tulare County.

Week ended November 27.

| Ranches inspected |
|---|
| Ground squirrels shot |
| Rabbits shot |
| Ground squirrels examined bacteriologically |
| Ground squirrels infected with B. pestis |
| Rabbits examined bacteriologically |
| Rabbits found infected with B. pestis |

VENTURA COUNTY, CAL.

No record of human or rodent plague in Ventura County.

Week ended November 27.

| Ranches inspected | 18 |
|--|----|
| Ground squirrels shot. | 36 |
| Ground squirrels examined bacteriologically | 33 |
| Ground squirrels found infected with B. pestis | 0 |

Smallpox in the United States.

This table includes cases and deaths reported to the Surgeon-General of the Public Health and Marine-Hospital Service from June 25 to December 17, 1909. For reports received from December 25, 1908, to June 25, 1999, see Public Health Reports for June 25, 1909. In accordance with custom the tables of epidemic diseases are terminated semiannually and new tables begun.]

| Place. | Date. | Cases. | Deaths. | Remarks |
|------------------------------------|----------------|--------|---------|---------|
| Alabama: | | | | |
| Birmingham | Nov. 14-20. | 1 | | |
| Mobile | Oct. 17-23 | i | | |
| Montgomery | Nov. 14-27 | 35 | ******* | |
| montgomery | NOV. 14-21 | 30 | | |
| Total for State | | 37 | | |
| | 1 1 01 | | | |
| California, general | Aug. 1-31 | | . 2 | |
| Berkeley | July 25-31 | | | |
| Hobart Mills | | 1 | | |
| Sacramento | June 6-Oct. 23 | 2 | | |
| San Francisco | June 6-Nov. 27 | 4 | | |
| Truckee | Mar. 23 | 3 | | |
| Total for State | | 11 | 2 | |
| olorado: | | | | |
| Adams County | Apr. 1-June 30 | 5 | | |
| Boulder County | | 8 | 1 | |
| | | 1 | | |
| Clear Creek County Denver County— | Apr. 1-June 30 | | | |
| | Apr. 1-June 30 | 10 | | |
| Denver | | 3 | | |
| El Paso County | Apr. 1-June 30 | | | |
| Fremont County | Apr. 1-June 30 | 13 | ****** | |
| Grand County | Apr. 1-June 30 | 1 | | |
| Huerfano County | Apr. 1-June 30 | 24 | | |
| Larimer County | Apr. 1-June 30 | 4 | | |
| Las Animas County | Apr. 1-June 30 | 1 | | |
| Mesa County | Apr. 1-June 30 | 20 | | |
| Montrose County | Apr. 1-June 30 | 2 | | |
| Morgan County | Apr. 1-June 30 | 17 | 1 | |
| Otero County | Apr. 1-June 30 | 1 | | |
| | Apr. 1-June 30 | 8 | | |
| Pueblo County | | 1 | | |
| Rio Grande County | Apr. 1-June 30 | | | |
| San Miguel County | Apr. 1-June 30 | | | |
| Weld County | Apr. 1-June 30 | 1 | | |
| Total for State | , , , | 124 | | |
| | | | | |
| onnecticut: | | | | |
| Bridgeport | Oct. 2 | 1 | | |
| New Haven | May 1-31 | 1 | | |
| Stamford | Nov. 1-30. | î | | |
| Deminiord | 110V. 1-00 | - 1 | | |
| Total for State | | 3 | | |
| | | | | |

| Place. | Date. | Cases. | Deaths. | | Remarks | |
|---|-----------------------------------|---------|----------|----------|---------|--|
| District of Columbia: Washington | Aug. 8-Nov. 20 | 10 | | | | |
| Total for District | | 10 | | | | |
| Florida: Jacksonville | Nov. 14-20 | 1 | | | | |
| Total for State | | | | | | |
| | | | | | | |
| Jeorgia: Macon | June 14-Nov. 28 | 30 | | | | |
| Total for State | | 30 | | | | |
| llinois: Alexander County— | | | | | | |
| Cairo | May 1-June 30 | | | | | |
| Bureau County Champaign County | Aug. 1-31 | 1 25 | | | | |
| Christian County | Apr. 1-May 31 Apr. 1-May 31 | 35 | | | | |
| Clay County | Apr. 1-30 | 1 | | | | |
| Clinton County Cook County— Chicago | Apr. 1-June 30 | 7 | | | | |
| Chicago | June 20-Nov. 13 | 10 | | | | |
| Dewitt County Edwards County | May 1-31 Apr. 1-May 31 | 3 | | | | |
| Effingham County | Apr. 1-30 | 2 | | | | |
| Fayette County | Apr. 1–30 May 1–31 | 2 | | | | |
| Franklin County | Apr. 1-May 31 | 2 | | | | |
| Fulton County | Apr. 1-June 30 | 16 | , | Present. | | |
| Gallatin CountyIroquois County | Apr. 1-May 31 May 1-31 | 16 | | | | |
| Jackson County | Apr. 1-May 31 | 14 | | | | |
| Murphysboro | Apr. 1-May 31 Apr. 1-May 31 | 40 | | | | |
| Knox County | Apr. 1-30 | 8 | | | | |
| Lake County | Apr. 1-July 31 | 14 | ******* | | | |
| Lasalle County McDonough County | Apr. 1-30 Apr. 1-30 | 25 | | | | |
| McHenry County- | Apr. 1 -00 | | | | | |
| Marengo | May 1-June 30 | 97 | | | | |
| Macoupin County | Apr. 1-May 31 June 1-30 | 6 | | | | |
| McLean County Madison County | May 1-June 30 | 1 2 | | | | |
| Marion County | Apr. 1-June 30 | 14 | | | | |
| Menard County Massac County— | Aug. 1-31 | 5 | | | | |
| Metropolis | Apr. 1-May 31 | 29 | | | | |
| Montgomery County | May 1-June 30 | 13 | | | | |
| Peoria County | Apr. 1-June 30 June 1-Sept. 30 | 54 | | | | |
| Perry County | Apr. 1-Aug. 31 | 18 | | | | |
| Pulaski CountyRock Island County- | May 1-31 | 5 | | | | |
| Moline St. Clair County— | June 1-July 31 | 2 | | | | |
| East St. Louis | May 1-June 30 | 11 | | | | |
| Saline County | May 1-31 | 30 | | | | |
| Sangamon County Springfield | Apr. 1-30 May 29-July 9 | 3 | | | | |
| Schuyler County | May 1-31 | ĭ | | | | |
| Shelby County | Apr. 1-July 31 May 1-31 | 3 | | | | |
| Stephenson County | May 1-31 | 4 | | | | |
| Tazewell County | May 1-31 | 78 | ******** | | | |
| Union County | Apr. 1-Aug. 31 Apr. 1-May 31 | 5 | | | | |
| Vermilion County | Apr. 1-May 31 | 2 | | | | |
| Danville | June 14-Nov. 6 | 15 | | | | |
| Warren County Will County— | June 1-July 31 | 3 | | | | |
| Joliet Williamson County | July 1–31 Apr. 1–Aug. 31 | 17 | | | | |
| Winnebago County | June 1-30 | 1 | | | | |
| Woodford County | Apr. 1-July 31 | 25 | | | | |
| Total for State | | 694 | | | | |
| adiana: | | | | | | |
| Adams County | Sept. 1-30 | 3 26 | ******* | | | |
| Allen County | May 1-Sept. 30 June 6-Nov. 13 | 194 | | | | |
| Carroll County | June 1-30 | 1 | | | | |
| | June 1-30 | 4 | | | | |

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--|--|--------|---------------|----------|
| ndiana_Continued | | | | |
| ndiana—Continued. Dearborn County | May 1-31 | 4 | | |
| Dekalb County | June 1-30 | i | | |
| Delaware County | May 1-31 | 1 | | |
| Muncie | June 20-Nov. 20 | 15 | | |
| Fayette County | June 1-30 | 1 | | |
| Fountain County | July 1-31 | 1 | 1 | |
| Gibson County | May 1-31 | 5 | ****** | |
| Grant County | Nov. 28-Dec. 4 | 15 | ******* | |
| Greene County | June 1-Sept. 30 | 15 | 1 | |
| Huntington County | Sept. 1-30 | 1 | | |
| Johnson County | Sept. 1-30 | 2 | | |
| Marion County— | | | | |
| Indianapolis | June 14-Dec. 4 | 5 | | |
| Monroe County | Sept. 1-30 | 1 | | |
| Montgomery County | May 1-June 30 | 9 | ********* | |
| Parke County Pulaski County | May 1-31 May 1-31 | 2 | | |
| St. Joseph County | June 1-30 | 4 | | |
| South Bend | June 13-Dec. 6 | 9 | | |
| Tipton County | July 1–31 May 1–Sept. 30 May 1–July 31 | 1 | | |
| Vanderburg County | May 1-Sept. 30 | 27 | | |
| Vermilion County | May 1-July 31 | 43 | | |
| Vigo County | June 1-30 | .4 | | |
| Wayne County | May 1-July 31 | 15 | 1 | |
| White County | May 1-31 Sept. 1-30 | 1 | ****** | |
| winter county | Бери 1-00 | | ************* | |
| Total for State | | 414 | 3 | |
| | | | | |
| Gadar Parida | Tule 1 Aug 21 | 2 | | |
| Cedar Rapids | July 1-Aug. 31 May 1-31 | 3 | | |
| KeokukOttumwa | June 1–30 | 1 | | |
| | | | | |
| Total for State | | 6 | | |
| | | | | |
| nsas: | Man 1 21 | | | |
| Allen County | May 1-31 | | | |
| Atchison County | June 1-July 31 June 1-30 | 8 | | |
| Brown County Chautauqua County | May 1-31 | | | |
| Cherokee County | May 1-31 | i | | |
| Coffey County | May 1-31 | 1 | | |
| Comanche County | June 1-30 | 3 | | |
| Cowley County | May 1-31 | 14 | | |
| Crawford County | May 1-31 | 20 | | |
| Pittsburg | May 1-June 30 | 4 | 1 | |
| Decatur County | June 1-30 May 1-July 31 | 12 | - 1 | |
| Dickinson County Doniphan County | May 1-July 31 | 29 | | |
| Douglas County | May 1-31 | 1 | | |
| Elk County | May 1-31 | 1 | | |
| Ellsworth County | June 1-30 | 1 | | |
| Franklin County | May 1-31 | 5 | | |
| Geary County | May 1-July 31 | | | |
| Graham County | June 1-30 | | | |
| Greenwood County | May 1-31 | | | |
| Jackson County | May 1-June 30 May 1-31 | | | |
| Jefferson County Jewell County | May 1-31 | | | |
| Kearny County | May 1-31 | | | |
| Kingman County | July 1-31 | | | |
| Labette County— | | | | |
| Parsons | May 1-Sept 30 | 11 | ******** | |
| Lincoln County | July 1-31 | | | |
| Lyon County | May 1-July 31 | | | |
| McPherson County | July 1-31 | 1 | | |
| Marion County | May 1-Aug. 31 | 000 | | |
| Montgomery County | May 1-July 31 | 10 | | |
| Coffeyville | July 1-31 | 1 | | |
| Nemaha County | June 1-July 31 | 11 | | |
| Osage County | May 1-June 30 | 32 | | |
| Osborne County | May 1-June 30 | | | |
| Ottawa County | May 1-31 | 3 | | |
| Di mi | | 1 | | |
| Phillips County | May 1-31 | | | |
| Phillips County | May 1-July 31 | 15 | | |
| Phillips County Pottawatomie County Pratt County | May 1-31 May 1-July 31 May 1-July 31 May 1-31 | | | |

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--|---|---------|-----------|----------|
| Towns Continued | | | | |
| Kansas—Continued. | Tester 1 21 | | | |
| Rooks County | | | | |
| Russell County | June 1-30 | î | | |
| Saline County | May 1-31 | 2 | | |
| Scott County | Aug. 1-Sept. 30 | 2 | | |
| Sedgwick County | Aug. 1-Sept. 30 May 1-31 July 11-Aug. 7 May 1-Aug. 31 | 11 | | |
| Wichita | July 11-Aug. 7 | - 5 | | |
| Shawnee County | May 1-Aug. 31 | 13 | | |
| Topeka | May 1-Sept. 30 | 47 | | |
| Smith County | May 1-31 | 11 | | |
| Sumner County | May 1-31 | 3 | | |
| Thomas County | May 1-31 | 1 | | |
| Wabaunsee County | May 1-31 | 6 | | |
| Wyandotte County | May 1-31 | 4 | | |
| Kansas City | June 13-Nov. 20 | 15 | | |
| Total for State | | 676 | 1 | |
| | | | | |
| Covington | June 12 July 2 | 5 | | |
| Lexington | June 20 Oct 20 | 17 | | |
| Newport | June 14 July 95 | 4 | ******* | |
| Paducah | June 13-96 | 3 | | |
| raducan | June 13-20 | 0 | | |
| Total for State | | 29 | | |
| Louisiana: | | | | |
| New Orleans | June 13-Dec. 4 | 15 | | |
| Total for State | ******** | 15 | | |
| Maryland, general | Mar. 1-Apr. 30 | 9 | | |
| Total for State | | 9 | | |
| favorabasestta. | - | | | |
| lassachusetts: Boston | C 10 N 10 | | | |
| Lawrence | Sept. 12-Nov. 13 | 4 | 1 | |
| Lawrence | June 27-July 3 | 1 | | |
| Total for State | | 5 | 1 | |
| Habilana. | | | | |
| lichigan: | 0-1-1-01 | | | |
| Antrim County | Oct. 1-31 | 2 | | |
| Arenac County | Oct. 1-31 Oct. 1-31 | | •••••• | |
| Bay County— | Oct. 1-31 | 1 | ******* | |
| Bay City | June 1-Dec. 4 | 0 | | |
| Berrien County | July 1-Oct. 31 | 11 | | |
| Branch County | July 1-Sept. 30 | | | |
| Calhoun County | June 1-30 | 7 | ******* | |
| Battle Creek | Oct. 31-Nov. 6 | 2 | | |
| Cass County | July 1-Aug. 31 | | 1 | |
| Cheboygan County | July 1-31 | 8 2 | • | |
| Chippewa County | May 1-Oct. 31 | | ********* | |
| Clinton County | Aug. 1-31 | | | |
| Delta County | June 1-30 | | | |
| Eaton County | May 1-Sept. 30 | | | |
| Emmet County | June 1-July 31 | | | |
| Genesee County | July 1-31 | | | |
| Gogebic County | Aug. 1-31 | | | |
| Houghton County | Aug. 1–31 May 1–Oct. 31 | 17 | | |
| Huron County | June 1-30 | | | |
| Ingham County | May 1-Oct. 31 | | | |
| Ionia County | Oct. 1-31 | | | |
| Jackson County | May 1-31 | 1 | | |
| Kalamazoo County- | | | | |
| | July 4-24 | 2 | | |
| Kent County— | | | | |
| Grand Rapids | June 6-Oct. 31 | 3 | 1 | |
| Lapeer County | June 1-30 | 1 | | |
| Livingston County | Aug. 1-Oct. 31 | 45 | | |
| Marquette County | May 1-Oct. 31 | 10 | | |
| | July 1-31 | 4 | | |
| Menominee County | | 6 | | |
| Monteaim County | Oct. 1-31 | | | |
| Muskegon County | May 1-Sept. 30 | 18 | | |
| Muskegon County Newaygo County | May 1-Sept. 30 June 1-30 | 1 | | |
| Muskegon County Newaygo County Oceana County | May 1-Sept. 30 June 1-30 May 1-31 | 1 | | |
| Muskegon County Newaygo County Oceana County Ontonagon County | May 1-Sept. 30 June 1-30 May 1-31 Oct. 1-31 | 1 1 1 | | |
| Monteaim County Muskegon County Newaygo County Oceana County Ontonagon County Ottawa County | May 1-Sept. 30 June 1-30 May 1-31 Oct. 1-31 May 1-July 31 | 1 1 1 8 | | |
| Monteaim County Muskegon County Newaygo County Oceana County Ontonagon County Ottawa County Saginaw County | May 1-Sept. 30 June 1-30 May 1-31 Oct. 1-31 | 1 1 1 | | |

| Place. | Date. | Cases. | Deaths. | Remarks |
|---|---|--|-------------|---------|
| fichigan—Continued. | | | | |
| Sanilac County | Oct. 1-31 | 1 | 1 | |
| Schooleraft County | . July 1-31 | 4 | | |
| Manistique | | | | |
| Tuscola County | | 4 | | |
| Wayne County | Oct. 1-31 | 1 | | |
| Detroit | . May 1-July 31 | 2 | | |
| Denoit | . May 1 July St | | *********** | |
| Total for State | | 337 | 2 | |
| linnesota, general | . Mar. 1-July 31 | | 4 | |
| Becker County | | 5 | | |
| Bigstone County | . June 8–14 | 1 | | |
| Carver County | . July 6-Aug. 16 | 6 | | |
| Clay County | . July 28-Aug. 2 | 1 | | |
| Cottonwood County | July 1-31 | î | | |
| Crawford County | . Aug. 10-16 | i | | |
| Faribault County | June 7-14 | 2 | | |
| Hennepin County— | . June 1-14 | - | | |
| Minneapolis | . May 1-June 30 | 39 | 1 | |
| Hubbard County | May 25-31 | 1 | | |
| Itasca County | May 25-June 14 | 7 | | |
| Locusin County | Tune 1-7 | 1 | | |
| Lesueur County | June 1-7 May 25-July 19 | 1 | | |
| McLeod County | May 25-July 19 | 2 | | |
| Marshall County | . June 8-July 5 | 6 | | |
| Meeker County | May 25-31 | 5 | | |
| Morrison County | June 21-Aug 16 | 2 | | |
| Nobles County | May 25-June 21 | 2 | | |
| Olmsted County | May 25-June 21 June 8-14 | 2 | | |
| Pine County | May 25-31 | î | | |
| Pameer County | . May 20-31 | | | |
| Ramsey County— | Ang 1 May 21 | 10 | | |
| St. Paul | . Apr. 1-May 31 | | | |
| Redwood County | June 1-7 | 1 | | |
| Rock County | June 1-7 | 1 | | |
| St. Louis County | . May 25-June 21 | 3 | | |
| Duluth | | 26 | | |
| Sibley County | June 22-July 19 | 4 | | |
| Stearns County— | . Julie za July 1011. | | | |
| St. Cloud | July 13-19 | 1 | | |
| | | | | |
| Steele County | | 3 | | |
| Swift County | July 20-26 | 1 | ******** | |
| Wabasha County | May 25-31 | 2 | | |
| Wadena County | . May 25-July 19 | 11 | | |
| Waseca County | May 25-31. May 25-July 19 May 25-31. June 15-Aug. 16 | 8 | | |
| Wright County | June 15-Aug. 16 | 10 | | |
| | - mile 10 11 agr 10111 | | | |
| Total for State | | 166 | 4 | |
| | | | | |
| sissippi: | | | | |
| Brookhaven | Nov. 2-8 | 1 | | |
| Holly Springs | | | | |
| nony springs | Nov. 1-6 | 3 | | |
| Natchez. | Nov. 1-6 | 3 5 | | |
| | Nov. 1-6 | | | |
| | Nov. 1-6 | | | |
| Natchez Total for State | Nov. 1-6 | 5 | | |
| Total for Statessouri: | Nov. 1-6 Nov. 22-27 | 9 | | |
| Natchez Total for Statessouri: Kansas City | Nov. 1-6 Nov. 22-27 | 9 | | |
| Natchez. Total for Statessouri: Kansas Cityst. Joseph | Nov. 1-6 Nov. 22-27 | 9 2 19 | | |
| Natchez Total for Statessouri: Kansas City | Nov. 1-6 | 9 2 19 | | |
| Natchez. Total for State. ssouri: Kansas City. St. Joseph. St. Louis. | June 13-26. May 39-July 24. June 20-Dec. 4. | 9 2 19 13 | | |
| Natchez Total for Statessouri: Kansas City St. Joseph | Nov. 1-6 Nov. 22-27 | 9 2 19 | | |
| Natchez. Total for State. ssouri: Kansas City St. Joseph St. Louis. Total for State | June 13-26. May 39-July 24. June 20-Dec. 4. | 9 2 19 13 | | |
| Natchez. Total for Statessouri: Kansas Cityst. Josephst. Louis. Total for State | Nov. 1-6 | 9 2 19 13 34 | | |
| Natchez. Total for State ssouri: Kansas City St. Joseph St. Louis Total for State ontana: Carbon County | Nov. 1-6 | 9 2 19 13 | | |
| Natchez. Total for State. ssouri: Kansas City. St. Joseph. St. Louis. Total for State. ontana: Carbon County. Cascade County. | June 13-26 June 20-Dec. 4 June 1-July 31 | 5 9 2 19 13 34 | | |
| Natchez. Total for State | June 13-26. May 30-July 24. June 20-Dec. 4. June 1-July 31. | 5 9 2 19 13 34 6 | | |
| Natchez. Total for State. ssouri: Kansas City St. Joseph St. Louis. Total for State Total for State Carbon County Great Falls Chouteau County | June 13-26 May 30-July 24 June 20-Dec. 4 June 1-July 31 June 1-30 | 5 9 2 19 13 34 6 | | |
| Natchez. Total for State. Ssouri: Kansas City. St. Joseph. St. Louis. Total for State. ntana: Carbon County Cascade County— Great Falls. Chouteau County. Custer County. | June 13-26 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 June 1-30 June 1-30 | 5 9 2 19 13 34 6 1 1 | | |
| Natchez. Total for State. souri: Kansas City St. Joseph St. Louls. Total for State Total for State Carbon County Great Falls Chouteau County | June 13-26. May 30-July 24. June 20-Dec. 4. June 1-July 31. June 1-30. June 1-30. June 1-30. May 1-Sept. 30. | 5 9 2 19 13 34 6 1 1 | | |
| Natchez. Total for State. souri: Kansas City. St. Joseph. St. Louis. Total for State. ntana: Carbon County. Cascade County— Great Falls. Chouteau County. Custer County. Dawson County. | June 13-26. May 30-July 24. June 20-Dec. 4. June 1-July 31. June 1-30. June 1-30. June 1-30. May 1-Sept. 30. | 5 9 2 19 13 34 6 1 1 | | |
| Natchez. Total for State Souri: Kansas City St. Joseph St. Louis. Total for State ntana: Carbon County Cascade County— Great Falls Chouteau County Custer County Dawson County Deerlodge County | June 13-26 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 June 1-30 June 1-30 May 1-Sept. 30 May 1-81. | 5 9 2 19 13 34 6 1 1 1 1 7 7 | | |
| Natchez. Total for State Souri: Kansas City. St. Joseph St. Louis Total for State Intana: Carbon County Cascade County Great Falls Chouteau County Custer County Dawson County Deerlodge County Pergus County Pergus County | June 13-26. May 30-July 24. June 20-Dec. 4. June 1-July 31. June 1-30. June 1-30. June 1-30. May 1-31. June 1-30. May 1-31. June 1-30. | 5 9 2 19 13 34 6 1 1 1 7 1 | | |
| Natchez. Total for State. Souri: Kansas City. St. Joseph. St. Louis. Total for State. ntana: Carbon County. Cascade County— Great Falls. Chouteau County. Custer County Dawson County. Deerlodge County. Fergus County. Flathead County. | June 13-26 May 30-July 24 June 20-Dec. 4 June 1-30 June 1-30 June 1-30 May 1-Sept. 30 May 1-31 June 1-30 May 1-31 | 5 9 19 13 34 6 1 1 1 7 1 1 1 1 4 | | |
| Natchez. Total for State. ssouri: Kansas City. St. Joseph. St. Louis. Total for State. ontana: Carbon County. Cascade County— Great Falls. Chouteau County Custer County. Dawson County. Deerlodge County. Fergus County. Flathead County. Glathead County. Glathead County. Glathead County. Glathead County. Gallatin County. | June 13-26 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 May 1-31 May 1-31 May 1-31 May 1-31 May 1-31 May 1-31 | 5 9 2 19 13 34 6 1 1 1 7 7 1 1 4 4 | | |
| Natchez. Total for State. ssouri: Kansas City. St. Joseph. St. Louis. Total for State. ontana: Carbon County. Cascade County— Great Falls. Chouteau County Custer County. Dawson County. Deerlodge County. Flathead County. Flathead County. Glathin County. Glathin County. | June 13-26 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 May 1-31 May 1-31 May 1-31 May 1-31 May 1-31 May 1-31 | 5 9 19 13 34 6 1 1 1 7 1 1 1 1 4 | | |
| Natchez. Total for State. Issouri: Kansas City. St. Joseph. St. Louis. Total for State. Ontana: Carbon County Cascade County— Great Falls Chouteau County Dawson County. Deerlodge County. Fergus County. Flathead County. Jefferson County. Jefferson County. Lewis and Clark County— | June 13-26 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 June 1-30 May 1-30 May 1-31 June 1-30 May 1-31 May 1-31 May 1-31 May 1-31 May 1-31 | 5 9 2 19 13 34 6 1 1 1 1 7 7 1 1 4 4 4 2 | | |
| Natchez. Total for State St. Joseph. St. Louis. Total for State. Ontana: Carbon County. Cascade County— Great Falls. Chouteau County Dawson County. Deerlodge County. Flathead County. Flathead County. Gallatin County. Lewis and Clark County. Lewis and Clark County— Helena. | June 13-26 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 June 1-30 May 1-30 May 1-31 June 1-30 May 1-31 May 1-31 May 1-31 May 1-31 May 1-31 | 5 9 2 19 13 34 6 1 1 1 7 7 1 1 4 4 | | |
| Natchez. Total for State. Issouri: Kansas City. St. Joseph. St. Louis. Total for State. Ontana: Carbon County. Cascade County— Great Falls. Chouteau County Custer County. Dawson County. Deerlodge County. Fergus County. Fergus County. Felathead County. Gallatin County. Jefferson County. Lewis and Clark County— Helena. Missoula County— | June 13-26 | 5 9 2 19 13 34 6 1 1 1 1 1 1 1 4 4 2 1 | | |
| Natchez. Total for State St. Joseph. St. Louis. Total for State. Ontana: Carbon County. Cascade County— Great Falls. Chouteau County Dawson County. Deerlodge County. Flathead County. Flathead County. Gallatin County. Lewis and Clark County. Lewis and Clark County— Helena. | June 13-26 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 May 1-31 May 1-31 May 1-31 May 1-31 May 1-31 June 1-30 May 1-31 May 1-31 May 1-31 June 1-30 | 5 9 2 19 13 34 6 1 1 1 1 7 7 1 1 4 4 4 2 | | |
| Natchez. Total for State. Issouri: Kansas City. St. Joseph. St. Louis. Total for State. Ontana: Carbon County. Cascade County— Great Falls. Chouteau County. Custer County. Dawson County. Deerlodge County. Fergus County. Fergus County. Fergus County. Jefferson County. Jefferson County. Missoula County— Missoula County— Missoula Park County— Missoula Park County. | June 13-26 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 May 1-31 May 1-31 May 1-31 May 1-31 May 1-31 June 1-30 May 1-31 May 1-31 May 1-31 June 1-30 | 5 9 2 19 13 34 6 1 1 1 7 1 1 4 4 4 2 1 | | |
| Natchez. Total for State. Ssouri: Kansas City. St. Joseph. St. Louis. Total for State. Itana: Carbon County. Cascade County— Great Falls. Chouteau County. Custer County. Dawson County. Deerlodge County. Fergus County. Fergus County. Fergus County. Hathead County. Gallatin County. Lewis and Clark County— Helena. Missoula County— Missoula. Park County. | June 13-26 May 30-July 24 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 May 1-31 June 1-30 May 1-31 May 1-31 | 5 9 2 19 13 34 6 1 1 1 1 7 1 1 4 4 2 2 1 | | |
| Natchez. Total for State. Ssouri: Kansas City. St. Joseph. St. Louis. Total for State. Intana: Carbon County. Cascade County— Great Falls. Chouteau County Dawson County. Dawson County. Fergus County. Fergus County. Flathead County. Flathead County. Gallatin County Jefferson County Lewis and Clark County— Helena. Missoula County— Missoula. Park County. Livingston. | June 13-26 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 May 1-31 May 1-31 May 1-31 May 1-31 May 1-31 June 1-30 May 1-31 May 1-31 May 1-31 June 1-30 | 5 9 2 19 13 34 6 1 1 1 7 1 1 4 4 4 2 1 1 | | |
| Natchez. Total for State Souri: Kansas City St. Joseph St. Joseph St. Louis. Total for State Intana: Carbon County Cascade County— Great Falls Chouteau County Custer County Dawson County Deerlodge County Fergus County Fergus County Gallatin County Jefferson County Lewis and Clark County— Helena Missoula County.— Missoula Missoula | June 13-26 May 30-July 24 June 20-Dec. 4 June 1-July 31 June 1-30 June 1-30 May 1-31 June 1-30 May 1-31 May 1-31 | 5 9 2 19 13 34 6 1 1 1 7 1 1 4 4 4 2 1 1 6 21 1 | | |

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------|---|----------|--------------|--------------------------|
| Iontana—Continued. | | | | |
| Silverbow County | June 1-Sept. 30 | 25 | | |
| Butte | June 11-Nov 11 | 62 | | |
| Teton County | May 1-31 | 1 | | |
| Valley County | May 1-31 | i | | |
| Yellowstone County | June 11-Nov. 11 May 1-31 May 1-31 May 1-July 31 | 7 | | |
| Total for State | | 168 | | - |
| | | 100 | ************ | |
| ebraska: Lincoln | May 1-July 31 | 34 | | |
| Total for State | | 34 | | |
| ew Jersey: | | | | |
| Newark | Sept. 19-25 | 1 | | |
| Total for State | | 1 | | • |
| | | 462 | | |
| w York, general Buffalo | Oct. 3-Nov. 13 | 402 | | |
| Total for State | | 466 | | |
| orth Carolina: | - | | | |
| Beaufort County | June 1-30 | 1 | | |
| Bladen County | Apr. 1-30 | 5 | | |
| Buncombe County | Apr. 1-30 | 1 | | |
| Caldwell County | Apr. 1–30 Apr. 1–June 30 Apr. 1–June 30 | 19 | | |
| Camden County | Apr. 1-June 30 | 70 | | |
| Carteret County | Apr. 1-30 | | | |
| Craven County | Apr. 1-Aug. 31 | 10 | | |
| Cumberland County | May 1-Aug. 31 | 2 | | |
| Davie County | Aug. 1-31 Apr. 1-Aug. 31 | 1 | | |
| Duplin County | Apr. 1-Aug. 31 | 35 | | |
| Harnett County | June 1-July 31 Apr. 1-July 31 | 7 | | |
| Johnston County | Apr. 1-July 31 | 3 | | |
| Jones County | Aug. 1-31 | 8 | | |
| Lee County | Apr. 1-30 | | | |
| Lenoir County | July 1-Aug. 31 | 6 | | |
| Madison County | May 1-June 30 | 7 | | |
| Mecklenburg County | May 1-31 | 2 | | |
| Charlotte | May 1-31 Sept. 26-Dec. 4 July 1-31 | 25 | | 1 1 00 f |
| Mitchell County | July 1-31 | . 8 | | Apr. 1-30, present. |
| Montgomery County | July 1-31 | 10 | | |
| Nash County | June 1-30 | | | |
| Onslow County | Apr. 1-30 May 1-31 | 2 | | |
| Pamlico County | Apr. 1 Morr 21 | .4 | | |
| Pasquotank County | Apr. 1-May 31 | 15 | | |
| Pitt County | Inno 1 July 21 | 17 14 | | |
| Rowan County | May 1-July 31 | | | |
| Rowan County | Apr. 1-June 30 | | | In extreme northern part |
| Transylvania County | May 1-31. | 5 | | an oanemo noi meriapini |
| Wake County | Apr. 1-Aug. 31 | | | |
| Watauga County | June 1-Aug. 31 | | | |
| Wayne County | Apr. 1-May 31. Apr. 1-June 30. June 1-July 31. May 1-July 31. Apr. 1-June 30. May 1-31. Apr. 1-Aug. 31. June 1-Aug. 31. Apr. 1-Aug. 31. Apr. 1-Aug. 31. Apr. 1-Aug. 31. | | | |
| Wilson County | Apr. 1-30. | 1 | | |
| Yancey County | Apr. 1-Aug. 31 | | | |
| Total for State | - | | | |
| th Dakota: | = | 110 | | |
| Bottineau County | May 1-July 31 July 1-31 July 1-31 | 2 | | |
| Cass County | July 1-31 | 2 | | |
| Emmons County | July 1-31 | 3 | | |
| Grand Forks County | May 1-Sept. 30 | | | |
| Henry County | Aug. 1-31 | 5 | | |
| | May 1-June 30 | | | |
| McHenry County | May 1-31 | .1 | | |
| tutsman County | June 1-July 31 | 15 | | |
| Walsh County | June 1-30 | 2 | ********* | |
| | May 1-July 31 | 11 | | |
| Total for State | | 59 | | |
| o: Cincinnati | June 12-Oct. 9 | 5 | | |
| | Sept. 12-18 | 1 | | |
| | July 18-Dec. 4 | 27 | 2 | |
| | Oct. 10-30 | 15 | | |
| Toledo | July 25-Aug. 7 | 2 | | |
| | , and and a second | - | | |
| | | | | |

| Place. | Date. | Cases. | Deaths. | Rema |
|--|---|--------------------------------------|-----------|------|
|)klahoma: | | | | |
| Coal County. Ellis County. Kay County. Kiowa County. Muskogee County. | Aug 1 91 | 9 | 1 1 | |
| Ellia County | Aug. 1-31 | 1 | ******** | |
| Kay County | Aug. 1-31 | 1 2 | | |
| Views County | Aug. 1-31 | 3 | | |
| Muskages County | Aug. 1-31 | 4 | | |
| Muskogee County | Aug. 1-31 | 1 | ******** | |
| Oklahoma County— | | | 1 . 1 | |
| Oklahoma Washington County | Apr. 3-Aug. 21 | 51 | 1 | |
| Washington County | Aug. 1-31 | 1 | ******** | |
| Total for State | | 66 | 1 | |
| Total for State | *************************************** | 00 | 1 | |
| regon: | | | | |
| Case County Clackamas County Cloos County Lane County Linn County Marion County Multnomah County Portland | July 1-31 | 8 | | |
| Clackamas County | May 1-June 30 | 3 | | |
| Coos County | June 1-30 | 1 | | |
| Lane County | July 1-31 | 1 | | |
| Linn County | July 1-31 | 2 | | |
| Marion County | May 1-Aug. 31 | 14 | | |
| Multnomah County | May 1-June 30 | 3 | ********* | |
| Portland | Apr 1-Sept 30 | 48 | ******** | |
| Tillamook County | Inly 1-31 | 1 | | |
| Umatilla County | June 1-20 | 9 | ******** | |
| Portland Tillamook County Umatilla County Union County Washington County | June 1-30 | ī | ******** | |
| Washington County | Mar 1-June 20 | 1.6 | ********* | |
| Yamhill County | Lune 1 Aug 21 | 14 | ******** | |
| ramini County | June 1-Aug. 31 | | | |
| Matal for State | i i | 100 | | |
| Total for State | | 192 | ******** | |
| | | - | | • |
| ennsylvania: Philadelphia | Tule: 10 24 | | 1 | |
| rinadelphia | July 10-24 | • | ******* | |
| Total for State | | 4 | | |
| ennessee: | | | | |
| Knovville | June 20, Aug. 21 | 7 | | |
| Knoxville | Nov. 28 Day 4 | i | ******** | |
| Memphis | Nov. 1 27 | 5 | | |
| mempins | Nov. 1-2/ | 9 | ******** | |
| Total for State | | 13 | | |
| | - | | | |
| Xas: | Aug 1 21 | | | |
| Anderson County | Aug. 1-01 | 0 | ******** | |
| Archer County | June 1-30 | 1 | ********* | |
| Baylor County | June 1-30 | 22 | | |
| Bee County | June 1-30 | 6 | 1 | |
| Bexar County | June 1-July 31 | .1 | 1 | |
| San Antonio | June 13-Oct. 31 | 14 | | |
| Bowle County | June 1-30 | 7 | ******** | |
| Cameron County | June 1-30 | 1 | | |
| Cherokee County | June 1-30. | 1 | | |
| Childress County | June 1-30. | 4 | | |
| Concho County | Aug. 1-31 May 1-June 30 | | | |
| Ellis County | May 1-June 30 | 2 | | |
| Galveston County | June 1-30 | 1 | | |
| Galveston | June 19-25 | î | | |
| Gonzales County | May 1-June 30 | 6 | 2 | |
| Gravson County | June 1-30 | | - 1 | |
| Grayson County | June 1-30 | | ******** | |
| Harris County | Mar 28 June 10 | | | |
| Houston | Mar. 28-June 19 | | | |
| Harrison County | June 1-Aug. 31 | | | |
| Hays County | July 1-31 | | | |
| Henderson County | June 1-July 31 May 1-June 30 | 30 | ********* | |
| Jefferson County | May 1-June 30 | 3 | | |
| Jones County | June 1-30 | 2 | | |
| Kinney County | June 1-30 | 1 | 1 | |
| Lamar County | June 1-Aug. 31 | 27 | | |
| Matagorda County | May 1-Aug. 31 | 11 | | |
| | June 1-30 | 19 | | |
| McLennan County | June 1-30 | 5 | | |
| McLennan County | | 26 | | |
| McLennan County | May 1-July 31 | | | |
| McLennan County | May 1-July 31 | 11 | | |
| McLennan County | May 1-July 31 Apr. 9-June 30 | 11 | | |
| McLennan County | May 1-July 31 Apr. 9-June 30 June 1-30 | 10 | | |
| McLennan County Milam County Runnels County San Saba County Smith County Stephens County | May 1-July 31 Apr. 9-June 30 June 1-30 June 1-30 | 10 33 | 1 | |
| McLennan County Milam County Runnels County San Saba County Smith County Stephens County Tarrant County | May 1-July 31 Apr. 9-June 30 June 1-30 June 1-30 May 1-June 30 | 10 33 19 | 1 3 | |
| McLennan County Milam County. Runnels County. San Saba County Smith County. Stephens County. Tarrant County. Fort Worth. | May 1-July 31 Apr. 9-June 30 June 1-30 June 1-30 May 1-June 30 June 1-July 31 | 10 33 19 5 | | |
| McLennan County Milam County Runnels County San Saba County Smith County Stephens County Tarrant County Tort Worth Travis County | May 1-July 31 Apr. 9-June 30 June 1-30 June 1-30 May 1-June 30 June 1-July 31 May 1-June 30 | 10 33 19 5 | | |
| McLennan County Milam County. Runnels County San Saba County Smith County Stephens County Tarrant County Fort Worth Travis County Upshur County | May 1-July 31 Apr. 9-June 30 June 1-30 June 1-30 May 1-June 30 June 1-July 31 May 1-June 30 | 10 33 19 5 19 52 | | |
| McLennan County Milam County. Runnels County. San Saba County Smith County. Stephens County. Tarrant County Fort Worth Travis County. Upshur County. Van Zandt County. | May 1-July 31 Apr. 9-June 30 June 1-30 June 1-30 May 1-June 30 May 1-June 30 May 1-June 30 May 1-June 30 | 10 33 19 5 19 52 6 | | |
| McLennan County Milam County. Runnels County San Saba County Smith County Stephens County Tarrant County Fort Worth Travis County Upshur County | May 1-July 31 Apr. 9-June 30 June 1-30 June 1-30 May 1-June 30 June 1-July 31 May 1-June 30 | 10 33 19 5 19 52 | | |

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------------|--|----------|------------|----------|
| exas—Continued. | | | | |
| Wharton County | Tune 1. 20 | 2 | | |
| Wichita County | June 1-30 | | ******* | |
| Williamson County | June 1-30 June 1-Aug. 31 | 5 | ******** | |
| Williamson County | June 1-Aug. 31 | 12 | 1 | |
| Total for State | ****** | 442 | 9 | |
| ah: | | | | |
| Boxelder County | May 1-Oct. 31 | 8 | | |
| Cache County | June 1-July 31 June 1-July 31 May 1-July 31 | 4 | | |
| Carbon County | June 1-July 31 | 3 | | |
| Davis County | May 1-July 31 | 30 | | |
| Emery County | June 1-July 31 | 4 | | |
| Garfield County | May 1-Aug. 31 | 20 | | |
| Juab County | Aug. 1-Oct. 31 | 13 | | |
| Rich County | Oct. 1-31 | 4 | | |
| Salt Lake County | May 1-000.31 | 65 | 1 | |
| Salt Lake City | | 112 | | |
| Sanpete County | May 1-Sept. 30 | 32 | | |
| Summit County | May 1-Aug. 31 | 78 | | |
| Tooele County | May 1-31 | 5 | | |
| Uinta County | May 1-Oct. 31 | 61 | 1 | |
| Utah County | May 1-Oct. 31 | 101 | 1 | |
| Wasatch County | Aug. 1-Oct. 31. | 55 | | |
| Weber County | May 1-Oct. 31 | 11 | | |
| | | | | |
| Total for State | | 606 | 2 | |
| ginia: | Tune 90.90 | | | |
| Lynchburg | | 1 | ******* | |
| 'Total for State | | 1 | | |
| shington: | | | | |
| Rellingham | Oct. 24-30 | 2 | | |
| Seattle | July 1-Nov. 13 | 9 | | |
| Spokane | June 6-Nov. 13 | 8 | | |
| SeattleSpokaneTacoma | May 14-June 27 | 6 | | |
| | - | | | |
| Total for State | | 25 | | |
| t Virginia: Wheeling | Oct. 17-23 | 1 | | |
| | - | 1 | ********** | |
| Total for State | | 1 | | |
| consin: | Inn 1 Ma- 01 | | | |
| Ashland County | Jan. 1-Mar. 31 | 8 | | |
| Barron County | Jan. 1-June 30 | | | |
| Brown County | Apr. 1-June 30 | | ******* | |
| Buffalo County | Jan. 1-Mar. 31 | | | |
| Burnett County | Jan. 1-Mar. 31 | 11 | | |
| Calumet County | Jan. 1-June 30 | 2 | ·····i | |
| Chippewa County | Jan. 1-June 30 | | 1 | |
| Clark County | Jan. 1-June 30 | 20 | | |
| Columbia County | Jan. 1-Mar. 31 | 1 | | |
| Dane County | Apr. 1-June 30 | 6 | ******* | |
| Douglas County | Jan. 1-June 30 | 11 | ******** | |
| Ounn County | Jan. 1-June 30 | 39 | 2 | |
| ond du Lac County | Jan. 1–June 30 Jan. 1–Mar. 31 | 3 | | |
| ckson County | Jan. 1-Mar. 31 | 1 | | |
| uneau County | Jan. 1-June 30 | 42 | ****** | |
| a Crosse County | Apr. 1-June 30 June 13-Nov. 27 | | | |
| La Crosse | June 13-Nov. 27 | 6 | ******* | |
| anitowoc County | Jan. 1-June 30 | 41 | ******* | * |
| arathon Countyarinette County— | Jan. 1-June 30 | 2 | | |
| Marinette | Nov. 13-90 | | | |
| filwaukee County | Apr. 1-June 30 | 24 | | |
| Milwaukee | | 9 | ******** | |
| conto County | June 2-Nov. 6 Jan. 1-June 30 | 25 | 1 | |
| neida ounty | Apr. 1-June 30 | 1 | 1 | |
| Outagamie County— | Inno 20. Tul- 21 | 00 | | |
| gankoo ('ounty | June 20-July 31 | 22 13 | ******* | |
| zaukee County | Jan. 1-Mar. 31 | 13 | ******** | |
| Pepin County | Jan. 1-Mar. 31 Jan. 1-Mar. 31 | 2 | ******** | |
| Pierce County | lon 1 Iune 20 | 4 | ******** | |
| | un. 1-June 30 | 19 | ******* | |
| it c'roix country | Ion 1 June 90 | | | |
| it. (roix County | Jan. 1-Mar. 31 Jan. 1-June 30 Jan. 1-June 30 Jan. 1-June 30 Jan. 1-Mar. 31 | 65 46 | | |

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------------------|----------------|--------|----------|----------|
| Wisconsin—Continued. | | | | _ |
| | Ian. 1-Mar. 31 | 3 | | |
| | an. 1-Mar. 31 | 51 | | |
| | Apr. 1-June 30 | 1 | | |
| Washburn County J | an. 1-June 30 | 14 | | |
| | an. 1-Mar. 31 | 5 | ******** | |
| | an. 1-June 30 | 27 | ******** | |
| | an. 1-Mar. 31 | 1 | ****** | |
| | an. 1-June 30 | 17 | ******* | |
| Wood County | Apr. 1-June 30 | 2 | | |
| Total for State | | 773 | 4 | |
| Grand total for the United States | | 5, 840 | 31 | |

Plague in the United States.

[August 2-December 17, 1909.]

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--|---------|--------|---------|---|
| California: Alameda County— Oakland Sunol | Oct. 26 | 1 1 1 | 1 | Case sickened July 27. In vicinity of Sunol. |

MORBIDITY AND MORTALITY.

Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

| | Week | Popula- tion, United | Total deaths | cul | ber- osis. | | teric rer. | | rlet er. | Di | ph- ria. | Meas | les. | ir | oop ng ngh. |
|------------------|---------|----------------------------|------------------------|--------|---------------|--------|---------------|--------|-------------|--------|-------------|--------|---------|--------|-------------------|
| Cities. | ended- | States census, 1900. | from all causes. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cuses. | Deaths. |
| Ann Arbor, Mich | Nov. 27 | 14,509 | 7 | 1 | | | | | | | | | | | |
| Ashtabula, Ohio | | 12,949 | 6 | | | | 2 | | | | | | | | |
| Do | Dec. 4 | 12,949 | 4 | | | | | 1 | | | | | | | |
| Baltimore, Md | do | 508,957 | 173 | 23 | 23 | 12 | 2 | 12 | 1 | 18 | 2 | 7 | 1 | 8 | 3 |
| Biddeford, Me | do | 16, 145 | 17 | | | | | | | 2 | 2 | | | 2 | 2 |
| Boston, Mass | Nov. 27 | 560,892 | 191 | 53 | 25 | 16 | 2 | 37 | | 66 | 2 | 81 | 2 | 5 | |
| | do | 15,654 | 10 | | | 2 | | 3 | | 1 | | 1 | | | |
| Brockton, Mass | do | | 20 | 3 | 2 | 9 | | | | 1 | | | | | |
| Cambridge, Mass | | 91,886 | 23 | 7 | 2 | | | 4 | | 8 | 1 | 10 | | | |
| Camden, N. J | Dec. 4 | 75, 935 | 25 | 1 | 4 | | | | | 11 | 1 | | | | |
| Carbondale, Pa | Nov. 27 | 13,536 | 3 | | | | | 2 | | | | 5 | | | |
| Charlotte, N. C | | 18,091 | 8 | 1 | 1 | 1 | | | | 1 | **** | 14 | | *** | |
| Do | Dec. 4 | 18,091 | 12 | | 2 | 1 | | | | | | 18 | | | |
| Chicago, Ill | do | 1,698,575 | 570 | 94 | 91 | 30 | 9 | 177 | 6 | 163 | 20 | 142 | 2 | 43 | 4 |
| Cincinnati, Ohio | | 325,902 | 106 | 26 | 12 | 3 | 2 | 10 | | 11 | | 2 | | 11 | |
| Cleveland, Ohio | | 381,768 | 116 | 36 | 6 | 4 | 2 | 10 | | 38 | 4 | 62 | 1 | 5 | |
| Columbus, Ga | Dec. 4 | 17,614 | 9 | | | | | | | | | | | | |
| Columbus, Ohio | | 125,560 | 54 | 3 | 7 | 3 | | 5 | | - 5 | | 3 | | | |
| Do | Dec. 4 | 125, 560 | 33 | 17 | 7 | 2 | 1 | 8 | | 5 | 1 | 18 | | 2 | **** |
| Concord, N. H | | 19.632 | 9 | | | | | | | 5 | | | | | |
| Danville, Ill | | 16, 534 | 5 | 2 | 2 | | | | | | | | | | |
| Do | Dec. 4 | 16, 534 | 5 | | | | 1 | | | | | 1 | | | |
| Dayton, Ohio | | 85, 333 | 19 | 1 | | 1 | | 3 | | 9 | | | | | |
| Do | Dec. 4 | 85,333 | 21 | | 3 | 1 | | 4 | | 6 | | | | | |
| Duluth, Minn | | 80,000 | 17 | 1 | 1 | | 1 | 6 | | 15 | 1 | | | **** | |
| Do | Dec. 4 | 80,000 | 25 | 7 | 2 | **** | 1 | 5 | | 2 | | | 00 .0 | | 0000 |
| | do | 11,616 | 5 | **** | | 2 | **** | **** | **** | 3 | **** | ***** | **** | **** | |
| Elkhart, Ind | Nov. 27 | 15, 184 | 5 | | | | | 1 | | | **** | ***** | | *** | |

Weekly morbidity and mortality table, cities of the United States-Continued.

| Cities. | Week ended— | Popula- tion, United States | Total deaths from | cul | iber- losis. | | ver. | | earlet ever. | | iph- eria. | Mea | sles. | i | hoop ng ngh |
|--|--------------------|--------------------------------------|-------------------|--------------|-----------------|--------|---------|----------|-----------------|--------|---------------|--------|---------|--------|-------------------|
| _ | ended | census, 1900. | all causes. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Elmira, N. Y | Nov. 27 | 35.672 | 7 | | | 2 | 1 | 1 | | 1 | | | | | |
| Evansville, Ind Everett, Mass | Dec. 4 Nov. 27 | 59,007 24,336 | 15 | | 1 2 | 3 | 2 | 9 2 | | | 1 | | | | |
| Do | . Dec. 4 | 24, 336 | 11 | | ī | | | | | | 1 | | **** | | |
| Fall River, Mass | Nov. 27 Dec. 4 | 104, 863 104, 863 | 41 | 5 | 6 | 1 | 1 | 1 | | . 8 | 1 | | | | |
| Freeport, Ill | do | 13, 258 | 21 | 3 | 3 | 3 | | 6 | | | | 100 | | i | |
| Galesturg, Ill Galveston, Tex | Nov. 27 | 18,607 | 4 | | | | | î | | | | 100 | | | *** |
| Galveston, Tex Grand Rapids, Mich. | do | 37, 789 | 26 | 1 | 1 | | | | | | | | | | |
| Haverhill, Mass | Dec. 4 | 87, 565 37, 175 | 8 | 1 | 5 | 3 | | 28 | | | | | | | |
| Indianapolis, Ind | Nov. 27 | 37, 175 169, 164 169, 164 | 35 | 6 | 5 | 5 | 1 | 11 | | 16 | | - 00 | | | |
| Do | Dec. 4 Nov. 27 | 169, 164 | 23 | 1 | | 1 | 1 | 1 | | | | | | | |
| Jersey City, N. J. | Nov. 28 | 28, 429 206, 433 | 76 | i | 3 7 | 3 | i | 12 | | 11 | 2 | | | | |
| Jacksonville, Fla Jersey City, N. J Kalamazoo, Mich | Nov. 20 | 24, 404 | 12 | 1 | | i | | | | | | 2 | | | |
| Do | Nov. 27 Nov. 13 | 24, 404 24, 535 | 10 | 3 | | | | | | | | | | 1 | |
| Do | Nov. 27 | 24, 535 | 7 8 | | 1 | | **** | | **** | | | ***** | | | **** |
| | Dan 4 | 24, 535 | | | 2 | | | | | | | | | | **** |
| Knoxville, Tenn Lancaster, Pa La Crosse, Wis | Nov. 27 Dec. 4 | 32, 637 41, 459 | 5 18 | 1 | 1 | | 1 | | | | | 1 | | | |
| La Crosse, Wis | Nov. 27 | 28, 895 | 9 | 1 | 3 | 1 | | 10 | | 1 | | 10 | | | |
| Manitowoc, Wis Manchester, N. H | do | 11,786 | 3 | | | | | | | | | | | | **** |
| Marchester, N. H | do | 56, 987 | 37 | 2 | 2 | 1 | | | | 7 | | 30 | | | |
| Marlboro, Mass Marion, Ind | Dec. 4 | 13, 609 17, 337 | | | 1 | i | | | | 6 | | | | | |
| Massilion, Onio | NOV. 27 | 11,944 | 1 | | | | | | | 1 | | | | *** | |
| Melrose, Mass | do | 12,962 | 2 . | | | | | 4 | | 4 | | | | | |
| Memphis, Tenn Mobile, Ala | do | 102, 320 38, 469 | 61 | 3 | 4 | 3 | 2 | | | 6 | | | | | |
| | do | 13,962 | 3 . | | | | | 479 | | 2 | | 1 | | | |
| Montgomery, Ala | do Dec. 5 | 30, 346 | 16 | 13 | | 2 | | | | 1 | | | | | |
| Nashville, Tenn | Dec. 4 | 12,616 80,865 | 32 | 3 | 1 | | | | | 7 | | | | | |
| Montgomery, Ala Nanticoke, Pa Nashville, Tenn Natchez, Miss Newark, N. J | Nov. 27 | 12,210 | 8 | 2 | | | | | | 2 | | | | *** | |
| Newark, N. J | Dec. 4 | 246,070 | | 15 | 16 | 5 | 1 | 50 | 3 | 52 | 3 | | | | 2 |
| New Orleans, La | Nov. 27 | 246, 970 278, 104 | 104 142 | 18 . 25 | 17 | 5 | | 33 | 2 | 13 | 4 . | 7 | 4 . | | |
| Do | Dec. 4 | 278, 104 | 126 | 22 | 14 | 10 | 1 | 8 | | 11 | | | 1 | *** | |
| New port, Ky | Nov. 27 | 28, 301 19, 457 | 6 . | | 2 . | | | | | | 1 | 1 . | | | |
| Ottumwa, lowa | do | 18, 197 | 7 8 | 1 | 1 | 11 | i. | 2 | | 1 | | | | | |
| Pittsburg, Pa Plainfield, N. J Portland, Me | do | 321,616 | | 28 | 5 | 17 | 3 | 43 | | 19 | 3 | 26 | | 3 . | *** |
| Plainfield, N. J | Dec. 4 Nov. 13 | 15,366 | 7 | 2 | 2 | 1 . | | 0 | | 3 . | | 2 . | | | |
| 110 | Nov. 20 | 50, 145 50, 145 | 90 | | 2 | 1 | | i . | | 6 | 2 | 1 | | | * * * |
| Reading, Pa Richmond, Va | Dec. 6 | 78,961 | 24 | | 2 | 3 | 1 . | | | 6 | ī | 2 1 | | 1 | *** |
| Rock Island, Ill | Nov. 27 do | 85,050 19,493 | 52 | 2 | 6 | 2 | 1 | 1 | 1 | 6 | 1 . | | | | |
| t. Louis, Mo | do | 575 238 | | 27 | 19 | 15 | | 41 | 3 | 32 | 1 . | 17 | 1 | 10 | i |
| Do | Dec. 4 | 575, 238 | 185 | | 26 | 9 | | 35 | 2 | 53 | 9 | | | 4 . | |
| Ban Francisco, Cal | Nov. 20 Nov. 27 | 575, 238 342, 782 342, 782 | | | 15 | 1 | | | | 11 | 2 | | | 12 | 1 |
| Do | Nov. 20 | 80, 671 | 49 | 1 | 14 | 5 9 | | 14 12 | 1 | 11 5 | 1 | | | 6 | 2 |
| | Nov. 27 | 80, 671 | 43 | 3 | 4 | 5 | 1 | 40 1 | | 8 . | | | | | |
| South Bend, Ind Do | Dec. 6 | 35, 999 35, 999 | 10 | 1 | 1 | 1 . | | 2 | | 1 . | | | | | |
| outh Bethlehem | Nov. 30 | 13, 241 | 2 | ! | 1 | | | 0 1 | | | 1 . | | *** | | |
| pringfield, Mass | Nov. 27 | 62, 059 | 33 | 1 | 3 | 1 | i | 2 . | | 9 . | | | | 7 | |
| uperior. Wis | do | 38, 253 31, 091 | 10 | 1 | 2 . | | | 1 . | | 11 . | | 1 | | | |
| pringfield, Ohio uperior, Wis acoma, Wash | do Nov. 21 | 37, 714 | 29 | | 3 | | 1 | 2 | 1 | 1 . | | | | | |
| oneka Kans | MUY. 20 | 37,714 37,714 33,608 | 10 | | | | | 4 . | | 1 . | | | | | |
| opeka, Kans renton, N. J. | Nov. 27 Dec. 4 | 33, £08 73, 307 | 5 | 6 | 5 | 1 | | 2 | | 7 . | | | | | |
| incennes, Ind | Nov. 27 | 10, 249 | 2 | 0 | 1 | | | 12 . | | | | | | | |
| Valtham, Mass | Dec. 4 | 23, 481 | 7 | | 1 | | | | | | | | | | *** |
| vasnington, D. C. | do Nov. 27 | 8, 529 278, 718 | 3 | 2 1 | 2 . | 15 | 2 | 23 | | 07 | | | | | |
| Vichita, Kans | do | 24, 671 | 12 | - 1 | | 19 | 2 | 1 | | 27 | 3 | 6 | | 2 | 1 |
| ork, Paanesville, Ohio | Dec. 4 | 24, 671 33, 708 | | | | 1 . | | 1 . | | 3 . | | 28 | | | ** |
| amesyllio tibio | do | 23, 538 | 11 | | | | | | | | 1 | - | | 1 | |

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

California—Los Angeles.—Month of October, 1909. Estimated population, 300,000. Total number of deaths 299, including diphtheria 1, measles 4, scarlet fever 1, typhoid fever 2, and 51 from tuberculosis. Cases: Diphtheria 23, measles 61, scarlet fever 40, typhoid fever 31, tuberculosis 64.

Stockton.—Month of October, 1909. Estimated population, 25,000. Total number of deaths, 22.

CONNECTICUT—Stamford.—Month of November, 1909. Estimated population, 24,000. Total number of deaths not reported. No deaths from contagious diseases. Cases: Diphtheria 10, measles 1, scarlet fever 19, whooping cough 5, and smallpox 1.

ILLINOIS—Quincy.—Month of November, 1909. Estimated population, 43,000. Total number of deaths 40, including diphtheria 2 and 3 from tuberculosis. Cases: Diphtheria 15, scarlet fever 1, and typhoid fever 2.

Indiana—Jeffersonville.—Month of November, 1909. Estimated population, 12,000. Total number of deaths 20, including 1 from typhoid fever. Cases: Scarlet fever 1, typhoid fever 1.

South Bend.—Month of November, 1909. Estimated population, 80,000. Total number of deaths 79, including 11 from tuberculosis. Cases: Diphtheria 4, scarlet fever 16, smallpox 4, typhoid fever 6, tuberculosis 11.

Iowa—Cedar Rapids.—Month of November, 1909. Estimated population, 35,000. Total number of deaths 41, including diphtheria 2, typhoid fever 1, and tuberculosis 1. Cases: Diphtheria 3, scarlet fever 2.

Kansas.—Month of September, 1909. Deaths from contagious diseases were reported as follows: Diphtheria 18, scarlet fever 4, typhoid fever 70, tuberculosis 60. Cases: Diphtheria 173, measles 24, scarlet fever 84, typhoid fever 320, smallpox 4, tuberculosis 278.

Maryland—Hagerstown.—Month of October, 1909. Estimated population 50,000. Total number of deaths 57, including typhoid fever 2, whooping cough 1, and tuberculosis 4. Cases: Diphtheria 11, scarlet fever 5, typhoid fever 24.

Massachusetts.—Week ended September 4, 1909. Estimated population of towns reporting 2,306,089. Total number of deaths 683, including diphtheria 4, typhoid fever 10, phthisis pulmonalis 44. Week ended September 11, 1909. Estimated population of towns reporting 2,365,783. Total number of deaths 720, including diphtheria 5, typhoid fever 10, phthisis pulmonalis 47.

Week ended September 18, 1909. Estimated population of towns reporting, 2,351,613. Total number of deaths, 711, including diph-

theria 2, measles 2, smallpox 1, typhoid fever 7, phthisis pulmonalis 60.

Week ended September 25, 1909. Estimated population of towns reporting, 2,355,921. Total number of deaths, 682, including diphtheria 8, typhoid fever 8, phthisis pulmonalis 39.

MICHIGAN.—Month of October, 1909. The Monthly Bulletin of

Vital Statistics says:

There were 2,863 deaths returned to the department of state as having occurred during the month of October, 1909. This corresponds to an annual death rate of 12.7 per 1,000 estimated population. Reports were received from districts covering 2,497,911 persons, according to the last state census, or 98.73 per cent of the total registrable population of the State.

Important causes of death were as follows: Pulmonary tuberculosis 122, other forms of tuberculosis 24, typhoid fever 102, diphtheria and croup 41, scarlet fever 31, measles 3, and whooping cough 14.

Two deaths were reported from tetanus, 1 from the township of Paris, Huron County, and 1 from Armada Township, Macomb County. One death was returned from smallpox, occurring in the city of Grand Rapids.

MINNESOTA.—Month of July, 1909. Estimated population of cities and towns reporting, 1,751,000. Total number of deaths, 1,290, including diphtheria 26, measles 4, scarlet fever 20, smallpox 1, typhoid fever 12, whooping cough 13, and 157 from tuberculosis.

Month of August, 1909. Estimated population of cities and towns reporting, 1,979,658. Total number of deaths, 1,652, including diphtheria 29, scarlet fever 11, typhoid fever 22, whooping cough 24, and 168 from tuberculosis.

NEW HAMPSHIRE—Franklin.—Month of October, 1909. Estimated population, 7,200. Total number of deaths, 9. Cases: Diphtheria 2.

NEW YORK—Perry.—Month of October, 1909. Estimated population, 5,000. Total number of deaths, 7. Cases: Measles 60, scarlet fever 4, typhoid fever 1, tuberculosis 3.

NORTH CAROLINA—Charlotte.—Month of November, 1909. Estimated population, 45,455. Total number of deaths, 49, including typhoid fever 2, and 6 from tuberculosis.

Oню—Cleveland.—Month of October, 1909. Estimated population, 515,000. Total number of deaths, 562, including diphtheria 9, scarlet fever 1, typhoid fever 7, whooping cough 2, and 48 from tuberculosis.

Pennsylvania—Altoona.—Month of November, 1909. Estimated population, 60,000. Total number of deaths, 38, including typhoid fever 3. Cases: Diphtheria 5, scarlet fever 1, typhoid fever 5.

Texas—San Antonio.—Month of October, 1909. Estimated population, 100,000. Total number of deaths, 138, including whooping cough 1, and 22 from tuberculosis. Cases: Diphtheria 9, measles 1, smallpox 4, typhoid fever 15.

UTAH—Salt Lake City.—Month of September, 1909. Estimated population, 85,000. Total number of deaths, 101, including diphtheria 1, typhoid fever 6, and 5 from tuberculosis. Cases: Diphtheria 6, measles 1, scarlet fever 19, smallpox 9, typhoid fever 206, whooping cough 2, tuberculosis 5 (incomplete).

VIRGINIA—Lynchburg.—Month of November, 1909. Estimated population 30,050. Total number of deaths, 34, including typhoid

fever 1 and tuberculosis 10.

FOREIGN AND INSULAR.

BRAZIL.

Rio de Janeiro-Inspection of vessels-Plague and smallpox.

Acting Assistant Surgeon Stewart reports, November 7:

Two weeks ended November 6. Vessels inspected: October 25, the British steamships Ripley for New York, with coffee cargo, no passengers and no change in crew personnel, and Corsican Prince for New York, with coffee, no passengers and no change in personnel; October 28, the British steamship Anselma de Larrinaga for Key West, in water ballast, no passengers and no change in personnel; October 29, the German bark Clara for New Orleans, with stone ballast, no passengers and no change in personnel, and the Brazilian steamship Sergipe for New York, via Brazilian coast ports, with 28 cabin and 20 steerage passengers and all crew signed on at this port; November 1, the German steamship Desterro for New York, in coffee cargo, with 2 steerage passengers and no change in personnel; November 3, the British steamship *Tennyson* for New York, in coffee cargo, with 7 cabin and 8 steerage passengers and no change in personnel; November 4, the British steamship Southwaite for some southern port, in water ballast, with no passengers and no change in personnel; and November 6, the British steamship Kenilworth for New Orleans, with coffee, no passengers and no change in personnel.

Mortality—Plague and smallpox.—Week ended October 31. No deaths from plague, smallpox, or yellow fever. Two cases of plague and 3 of smallpox reported. In São Sebastião hospital, at close of week, 1 case of plague and 4 cases of smallpox were under treatment.

CHINA.

Hankow-Plague.

The following information was received from the Department of State December 7:

Vice-consul-general at Hankow reports plague.

CUBA.

Cienfuegos-Inspection of vessels.

Acting Assistant Surgeon Suarez reports, November 29:

No quarantinable disease reported.

Habana-Inspection of vessels.

Acting Assistant Surgeon Villoldo reports, December 8:

Week ended December 4.

| Bills of health issued | 24 |
|--|-----|
| Vessels inspected | |
| Members of crews of outgoing vessels inspected | 840 |
| Passengers of outgoing vessels inspected | |
| Vaccination certificates issued | 16 |
| Immune certificates issued | 4 |
| Certificates, inspection of hides, issued | 3 |

Reports from the mosquito brigade in Habana for the period from November 20 to 30, show that 18,261 houses were inspected, and 54,737 water deposits petrolized, drained, or suppressed.

Matanzas-Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, November 29: Week ended November 27. Bills of health issued to 5 vessels clearing for United States. Health of city and surrounding country, good; no quarantinable disease reported.

Santiago—Inspection of vessels—House inspection.

Acting Assistant Surgeon Wilson reports, December 3: Week ended November 27. Bills of health issued to 11 vessels bound for the United States. No quarantinable disease reported. The sanitary department reports that 3,061 houses were inspected.

GERMANY.

Berlin-Status of cholera in East Prussia.

The following information was received from the Department of State, December 4:

The American embassy at Berlin reports November 17 that only 1 case of cholera has been reported in East Prussia since November 5

INDIA.

Calcutta-Cholera, plague.

Acting Assistant Surgeon Allan reports, November 11: Week ended October 30. In Calcutta there were 9 deaths from cholera and 10 from plague; in all Bengal, 68 cases of plague with 53 deaths, and in all India 4,287 cases of plague with 3,456 deaths.

Madras—Cholera mortality, January 1-August 31, 1909.

Vice-consul Jackson reports, November 4:

Deaths from cholera.

MADRAS CITY.

| January | |
|----------|----|
| February | 4 |
| March | |
| мау | |
| June. | 2 |
| July | 3 |
| August | 2 |
| m | 90 |
| Total | 20 |

MADRAS PRESIDENCY.

| Month. | Population. | Deaths. |
|----------|--------------|-----------------|
| January | 36, 354, 195 | 9,310 |
| February | | 5, 511 5, 12 |
| March | | 5, 12 |
| April | | 2, 35 |
| May | 36, 120, 883 | 1,69 |
| June | 36, 426, 905 | 1,94 |
| July | 36, 620, 442 | 2,117 |
| August | 36, 221, 879 | 2, 16 |
| Total | | 30, 21 |

ITALY.

Naples-Examination of emigrants-Smallpox.

Surgeon Geddings reports, November 22:

Vessels inspected at Naples and Palermo week ended November 20.

NAPLES.

| Date. | Name of ship. | Destination. | Steerage passengers inspected and | Pieces of baggage inspected and | Pieces of baggage disin- fected. |
|---------------------------|---------------------------------|--------------------|--|--|---|
| | | | passed. | passed. | |
| Nov. 14 15 17 17 | Regina d'Italia | New Yorkdododododo | 295 502 403 | 44 78 105 | 420 650 680 |
| 18 18 19 | GermaniaSan GiovanniCairnstrath | dodo | 231 119 | 66 22 | 365 186 |
| 20 | America | New York | 701 | 145 | 970 |
| | Total | *********** | 2,251 | 460 | 3,265 |
| | | PALERMO. | | | - |
| Nov. 15 19 | Regina d'Italia | New Yorkdo | 290 216 | 800 400 | 175 75 |

506

1,250

250

Rejections recommended.

NAPLES.

| е. | Name of ship. | Trachoma. | Favus. | Suspected trachoma. | Suspected favus. | Other causes. | Total. |
|---------------|----------------------------------|-------------------|--------|------------------------|------------------|---------------|----------------|
| 15 L 17 M | egina d'Italiauisianaloltke | 6 29 17 | 3 | 9 10 6 | 2 | 4 7 2 | 19 51 25 |
| 18 G 18 Si | arpathiaermaniaan Giovannimerica | 7 7 7 33 | 4 | 8 4 19 | | 4 | 19 11 57 |
| | Total | 99 | 7 | 56 | 2 | 18 | 183 |

PALERMO.

| Nov. 15 19 | Regina d'Italia | 19 18 | 26 23 | 1 | 46 42 |
|---------------|-----------------|----------|--------------|-------|----------|
| | Total | 37 | 49 | 2 | 88 |

Smallpox in Naples.—During the week ended November 21, 6 cases of smallpox with 2 deaths were reported at the health office of the city of Naples.

JAPAN.

Yokohama—Inspection of vessels—Cholera and plague.

Passed Assistant Surgeon Cumming reports, November 17:

Week ended November 13. Bills of health issued to steamships: Oceano for Seattle, Korea for Manila via ports, Asia for San Francisco and Honolulu, Hongkong Maru for Honolulu, Inverclyde for Cebu, Bellerophen for Seattle, and Seattle Maru for Tacoma.

No case of quarantinable disease has been reported in this part of the Empire during the month. A case of cholera and 1 of plague have been reported from Osaka and many cases of plague are reported in Kobe.

During the week 82 persons were bathed and their personal effects, consisting of 205 pieces of baggage, disinfected; also 2 cases of human hair. During the week 94 persons were examined, of whom 15 were held and 79 passed.

JAVA.

Batavia—Decrease of cholera.

The following information dated October 26 was received from Consul Rairden through the Department of State under date of December 8:

The districts of Djambi and Palembang, in Sumatra, have been officially declared free from cholera. There has been a decrease in cholera in Batavia during the past few days.

MEXICO.

Report from the Superior Board of Health of Mexico—Yellow fever in Merida.

In compliance with articles 1 and 2 of the International Sanitary Convention signed at Washington October 14, 1905, the president of the Superior Board of Health of Mexico reports, December 6, that for the week ended December 4, 1 case of yellow fever was registered November 29 in the city of Merida, and that prophylactic measures against the disease continue to be carried out.

Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, November 25:

Week ended November 24. Vessels inspected: November 19, steam-ship Cayo Manzanillo for a port in the United States via Veracruz and Tampico; November 22, steamship San Cristobal for Port Arthur; November 23, steamship Californian for New York; November 24, steamship Antillian for a port in the United States via Veracruz and Tampico; and steamship Constantia for Norfolk.

Salina Cruz—Fumigation of vessels.

Acting Assistant Surgeon Gochicoa reports, December 1:

Two weeks ended November 30. Vessels fumigated: November 21, the steamship *Virginian* for San Francisco, Cal.; November 26, the steamship *Nevadan* for San Diego, Cal.

NICARAGUA.

Bluefields, fruit port.

Acting Assistant Surgeon Layton reports:

Week ended November 27. Present officially estimated population, 4,000.

Bill of health issued to the following vessel:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. |
|---------|----------|--|-----------------|---|--|
| Nov. 27 | Dictator | New Orleans, via Cape Gracias à Dios, Nicara- gua. | 21 | 11 | 0 |

PERU.

Callao—Fumigation of vessels.

Acting Assistant Surgeon Castro-Gutierrez reports, November 15: Week ended November 6. One steamship, having an aggregate personnel of 84 in crew and 45 cabin and 34 steerage passengers, was fumigated.

Week ended November 13. Three vessels, having an aggregate personnel of 154 in crew and 48 cabin and 16 steerage passengers,

fumigated.

RUSSIA.

St. Petersburg-Status of cholera.

The following information, dated November 13, was received from Chargé d'Affaires Schuyler through the Department of State under date of December 3:

A communication from the ministry for foreign affairs states that during the period from October 31 to November 6 there were 172 cases of cholera, with 78 deaths, in Russia, occurring as follows:

| Cities and governments. | Cases. | Deaths. |
|-------------------------|--------|---------|
| St. Petersburg | 81 | 20 |
| 3aku | 6 | |
| /ladivostok | 1 | 2 |
| Povernments: | | |
| Archangel | 3 | 2 |
| Esthonia | 3 | 1 |
| Livonia. | 1 | |
| Grodno. | 3 | 9 |
| Vitebsk | 2 | 9 |
| Koyno | ĩ | 9 |
| Jaroslav | | 8 |
| Kostroma | 6 | 9 |
| Nijni-Novgorod | 9 | 9 |
| St. Petersburg | 22 | 11 |
| Company | 9 | - 11 |
| Samara | í | 1 |
| Sarotov | 1 | 1 |
| Astrakhan | 2 | ******* |
| Kief | | 1 |
| Volhynia | 1 | |
| Poltava | 1 | |
| Taurida | 18 | 12 |
| Total | 172 | 78 |

The city and district of Jalta are infected with cholera.

Libau—Examination of emigrants.

Acting Assistant Surgeon De Forest reports, November 21:

Week ended November 18. The steamship *Lituania* sailed from Libau November 16 in good sanitary condition. Four hundred and eighty passengers were held under observation for five days previous to departure. The crew, consisting of 89 members, was held under observation and examined for five consecutive days previous to departure. Two hundred pieces of large baggage were disinfected by formaldehyde gas.

Five cases of smallpox occurred in Libau during the week ended

November 14.

Cholera, yellow fever, plague, and smallpox.

[These tables include cases and deaths recorded in reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls through the Department of State and from other sources from June 26 to December 17, 1909. For reports received from December 25, 1908, to June 28, 1909, see Public Health Reports for June 25, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---|---|---------|---------|---|
| Belgium: | Oot 26 20 | 9 | 6 | At Boom, 10 miles distant. |
| China: | 001. 20-30 | | | At Boom, to miles distant. |
| Amoy | June 13-Oct. 30 | | 405 | |
| Chefoo | Aug. 28 | | 5 | Among Europeans; Sept. 11, ep. demic. |
| Hankow | July 17-Oct. 16 | 14 | 5 | |
| Kang Thau | Apr. 1-June 30 | 4 | 2 | |
| Shanghai | July 17-Oct. 16 Apr. 1-June 30 July 26-31 | 3 | 1 | On s. s. Hudson; Aug. 7, presen among foreigners and natives Oct. 2, still present amon natives. |
| Kulangsu | Oct. 2 | | 3 | |
| Swatow | May 11-29 | | | Present in vicinity; Aug. 28, cases, 2 deaths, on s. s. Waishing. |
| Germany: | | | | |
| Andreischken district Heydekrug district | Oct. 24-Nov. 12 | 6 | | |
| Heydekrug district | Oct. 20-Nov. 18 | 10 | 2 | |
| Konigsberg | July 21 | | 1 | |
| Labiau district | Nov. 1-6 | 4 | 2 | |
| Niederung district | Oct. 16-Nov. 1 | 5 2 | 1 | Near Russ. |
| Pakalisne Skirwietell | Sept. 20 Oct. 23-Nov. 6 | | | Near Russ. |
| Skopen | Oct. 23-Nov. 0 | 5 | | |
| Stoltzenhagen | Oct. 23-Nov. 6 Oct. 23-30 Sept. 18 | 9 | . 1 | 25 miles from Stettin. |
| Tilsit | Oct. 11 | | 1 | 25 lunes from Sterim. |
| India: | Oct. 11 | ******* | | |
| Bombay | May 30-Nov. 9 | | 425 | |
| Calcutta | May 16-Oct. 30 | | 968 | |
| Madras, presidency Madras | Jan. 1-Sept. 30 | | 32,050 | |
| Madras | May 29-Aug. 20 | | 7 | |
| Negapatam | May 8-Oct. 1 | | 23 | |
| RangoonIndo-China: | May 16-Oct. 30 | | 74 | |
| Saigon Japan: | | 24 | 18 | |
| Amagasaki Kagawa, prefecture | Aug. 14-21 | 4 | | |
| Kagawa, prefecture | Aug. 8-14 Sept. 1-9 Sept. 6-Nov. 6 | .7 | | 0 T-1 W |
| Karatsu | Sept. 1-9 | 11 | 2 2 | On s. s. Taian Maru. July 31, 1 case on s. s. Mile. |
| Kobe | Oct. 10-26 | 200 | 98 | July 31, I case on s. s. Mile. |
| Moji | Oct. 9-16 | 4 | 2 | |
| Osaka | | | | |
| Shikoku, island: Matsuyama | Oct. 20 | • | | Present. |
| Wakamatsu | Oct. 30 | 2 | 2 | |
| Java: | | | | |
| Batavia | Sept. 12-Oct. 23 Aug. 28 | 782 | 231 | Among natives and Chinese. Epidemic in northern part. |
| Chemulpo | Sept. 11-23 | | | Epidemic. |
| Seoul | Sept. 19-29 | 1,072 | 651 | Sept. 29, epidemic at Fuser Peng Yan and along the Yale River. |
| Manchuria: Dalny | Aug. 11-Nov. 1 | 29 | 26 | Case Aug. 11 on s. s. Kobe Maru |
| Liaoyang | Aug. 11-Nov. 1 | 20 | 1 | Case Aug. 11 on s. s. Kobe Maru |
| Mukden | Aug. 10 | | i | |
| Tashihehiao | Aug. 11 | | î | |
| Yinkou | Aug. 14 | 6 | 1 | |
| Netherlands, the | Aug. 14 Aug. 20-Sept. 4 | | | 5 deaths among boatmen from Rotterdam. |
| Amsterdam | Sept. 10 | 1 | 1 | |
| Breda | Aug. 30-Sept. 4 | 1 | | |
| Dirksland | Sept. 10 | 1 | | |
| Dordrecht | Aug. 30-Sept. 4 Sept. 10 Aug. 30 Aug. 30-Sept. 4 | | | Present. |
| Garkum | Aug. 30-Sept. 4 | 1 | 1 | |
| Honsweert | Sept. 21-Oct. 2 | - 3 | | |
| Hattem | Oct. 1-8 | 4 | 1 | |
| Holsteren | Sept. 1-7 | 1 | | |
| Londe | Depte I leconomic | | ******* | |
| Lopik | Sept. 27-Oct. 2 Sept. 4 | 1 | | |
| | OCHE TARRESTA | 2 | | |

Cholera, yellow fever, plague, and smallpox-Continued.

${\bf CHOLERA-Continued.}$

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---|--|---------|---------|--|
| Netherlands, the—Continued. | | | | |
| Rotterdam | Aug. 20-Sept. 11 | 34 | 15 | |
| Tholen | Sept. 4 | 1 | | |
| Uithorn | Aug. 30-Sept. 4 | 1 | | |
| Utrecht, province— | | | | |
| Ttrecht, province— Jaarsfeld | Oct. 20-Nov. 1 | 2 | 1 | |
| * Utrecht | Sept. 4 | 1 | | |
| Vlaardinger | Sept. 4 | 1 | | |
| hilippine Islands: | | | | |
| Manila | July 11-Oct. 23 | 139 | 111 | Fourth quarter, 1908, 308 case and 190 deaths; first quarte |
| | | | - | and 190 deaths; first quarte |
| | | | 1 | 1909, 1 death (imported); sec |
| D 1 | | | | 1909, 1 death (imported); sec ond quarter 190, no cholera. Fourth quarter 1908, 7,380 case and 4,292 deaths; first quarte 1909, 2,221 cases and 1,40 deaths; second quarter 1909 961 cases and 630 deaths. |
| Provinces | **************** | | | Fourth quarter 1908, 7,380 case |
| | | | | 1000 2001 coose and 140 |
| | | | | deather accord quarter 1906 |
| | | | | 061 cases and 630 deaths |
| Allong | Aug 27-Oot 16 | 266 | 269 | sor cases and too deaths. |
| AlbayAmbos Camarines | Aug. 27-Oct. 16 July 4-Oct. 23 | 764 | 550 | 1 |
| Bataan | Sent 5-Oct 23 | 246 | 196 | |
| Bohol | Aug 28-Oct 23 | 137 | 83 | |
| Bulacan | July 4-Oct. 23 | 371 | 360 | |
| Cagayan | Sept. 5-Oct. 23 Aug. 28-Oct. 23 July 4-Oct. 23 July 11-Sept. 18 | 222 | 117 | |
| Cavite | Sept. 16-Oct. 16 | 7 | 6 | |
| Cebu | May 16-Oct. 23 | 426 | 340 | |
| · Dapitan | May 16-Oct. 16 May 16-Oct. 23 May 9-15 Aug. 15-Oct. 23 May 23-June 19 July 18-24 June 6-Sept. 25 May 23-July 2 | | | Present. |
| Ilocos Norte | Aug. 15-Oct. 23 | 152 | 85 | |
| Iloilo | May 23-June 19 | 28 | 18 | |
| Isabela | July 18-24 | 5 | 4 | |
| Leyte | June 6-Sept. 25 | 28 | 14 | |
| Moro | | | 9 | |
| Mountain. | June 20-26 | 27 | 15 | |
| Negros, Occidental Negros, Oriental | May 9-15. May 16-Oct. 23. May 9-Oct. 23. | 8 | 2 | |
| Negros, Oriental | May 16-Oct. 23 | 811 | 584 | |
| Pampanga | May 9-Oct. 23 | 649 | 326 | |
| Pampanga Pangasinan Rizal | June 13–19 | 1 | | |
| Rizal | July 25-Oct. 23 | 33 | 27 | |
| Samar | May 9-July 10 | 42 | 26 | |
| Sorsogon | May 9-15 | 8 | 2 | |
| Tarlac | June 13-19 July 25-Oct. 23 May 9-July 10 May 9-15 July 4-Oct. 23 | 59 | 43 | Tules 92 persons in Proutal una |
| lussia, general | May 23-Nov. 13 | 13, 301 | 5, 677 | July 23, present in Kreutzburg Mahlgraben, Muravjevo, Pl nega, Radsiwilischki, Reval |
| | | | | noga Padeiwilisahki Raval |
| | | | | Schaulen, and Tver. |
| Alexandrovosk | Aug. 28-Oct. 1 | 10 | 8 | Schauen, and Titt. |
| Archangel | June 26-Nov. 6 Sept. 17-Nov. 6 July 4-Nov. 13 July 1 July 5-Oct. 1 | 368 | 200 | |
| Astrachan | Sept. 17-Nov. 6 | 24 | 12 | |
| Baku, government Chmalysk, district Courland | July 4-Nov. 13 | 57 | 24 | |
| Chmalysk, district | July 1 | 1 | | |
| Courland | July 5-Oct. 1 | 245 | 107 | |
| Cronstadt Dorpat | June 30–Sept. 17 Aug. 14–20 July 23–Sept. 17 July 1–Nov. 13 July 16 | 66 | 26 | |
| Dorpat | Aug. 14-20 | 1 | | |
| Drissa Esthonia, government | July 23-Sept. 17 | 38 | 17 | |
| Esthonia, government | July 1-Nov. 13 | 29 | 15 | |
| Finland, general | July 16 | 1 | | |
| Finland, general Mariengam | | 1 | 1 | |
| Viborg | July 9-16 Aug. 3-Sept. 3 Sept. 25-Oct. 1 Oct. 1-No. 6 | 1 | | |
| Gadjatschesk | Aug. 3-Sept. 3 | 53 | 18 | |
| Griva | Sept. 25-Oct. 1 | 128 | 56 | |
| Grodno | Oct. 1-Nov. 6 | 32 | 17 | |
| Hungerburg | July 30-Oct. 1 Sept. 11-Oct. 1 | 4.1 | . 7 | |
| Jaroslav, government Jaroslav | Sept. 11-Oct. 1 | 361 | 177 | |
| Jaroslav | July 4-Oct. 1 | 470 | 237 | D |
| Jalta, district | Nov. 6 | | | Present. |
| Kem | Aug. 8-Oct. 1 | 47 | 24 | |
| Kharkov | Aug. 1-Sept. 3 | 20 | 10 | |
| Kherson | Oct. 1 | 66 | 41 | Tules 90 measure |
| Kief | Sept. 11-Nov. 13 | | 41 | July 50, present. |
| Kostroma | July 23-Nov. 13 | 227 | 84 | |
| Kretsky, district Livonia | July 23-Nov. 13 July 1 July 5-Nov. 13 July 15-Oct. 1 | 90 | 43 | |
| Witon | July 15-Oct 1 | 28 | 17 | |
| Mitau | Aug 2-Oct 1 | 131 | 67 | |
| Mohileve, government | July 9-Oct 9 | 26 | 9 | |
| Moscow Nishni-Novgorod | July 4-Nov. 19 | 159 | 76 | |
| Novgorod government | Aug. 2-Oct. 1 July 9-Oct. 9 July 4-Nov. 13 July 4-Oct. 1 | 393 | 131 | |
| Novgorod, government | June 20- Aug. 14 | 11 | 7 | |
| Olonets, government Perm Polotzk Poltava, government | Ang 2-Oct 1 | 27 | 11 | |
| Polotzk | June 27-Oct 1 | 711 | 202 | |
| | | | 202 | |

Cholera, yellow fever, plague, and smallpox-Continued.

CHOLERA-Continued.

| | CHOLERA | -Contin | nued. | |
|---|--|----------|----------|--|
| Place. | Date. | Cases. | Deaths. | Remarks. |
| Russia Continued. | | | | |
| Pskov | July 1-Nov. 13 | 142 | 47 | 1 |
| Reval | Aug. 21-27 | 2 | | |
| Riga | July 1-Oct. 16 | 327 | 129 | |
| Rjasin | June 24-Oct. 23 | 8 | 7 | |
| Ruoinsk | July 30-Sept. 17 | 185 | 103 | |
| Samara | Aug. 15-Nov. 6 Aug. 15-Nov. 13 July 13-Oct. 16 | 83 30 | 59 19 | |
| SaratovSimilirsk | July 13-Oct. 16 | 10 | 3 | |
| St. Petersburg, government. | June 9-Nov. 13 June 2-Nov. 13 | 984 | 526 | |
| St. Petersburg | June 2-Nov. 13 | 6,085 | 2, 352 | |
| Tver, government | Aug. 15-Oct. 30 | 378 | 99 | |
| Viatka, government | | 61 | 20 | |
| Vilna Viteosk, government | July 9-Nov. 13 | 764 | 288 | |
| Volhynia | July 9-Nov. 13 Oct. 30-Nov. 6 | | | Present. |
| Vologda, government | May 31-Oct. 1 | 544 | 234 | |
| Siam: | | | | |
| BangkokSiberia: | Apr. 25-May 28 | 1 | | |
| Vladivostok Straits Settlements: | Sept. 23-Oct. 21 | 99 | 67 | |
| Singapore | May 9-Sept. 18 | | 20 | 1 |
| Djambi | July 15-Aug. 20 Sept. 28 | 220 | 113 | Among natives. Present. |
| Sweden: Stockholm | Aug. 12 | 1 | | Imported. |
| | YELLOW | FEVE | R. | <u></u> |
| Barbados, general | June 13-Aug. 14 | 2 | 1 | St. Joseph Parish, December t |
| | | | | June, 14 deaths not previously reported. |
| Brazil: | 25 00 0 -1 00 | 4- | 00 | |
| Bahia | May 22-Oct. 22 | 47 | 23 13 | Ann 94 May 1 9 deaths De |
| Manaos | May 23-Nov. 13 | | 10 | Apr. 24-May 1—2 deaths. Reported out of date. |
| Para | May 30-Nov. 20 | 85 | 66 | ported out of date. |
| Pernambuco British Guiana: | Apr. 15-Aug. 31 | | ii | |
| Su Idie | July 22 | 1 | 1 | 35 miles from Georgetown. |
| Guayaquil | May 23-Nov. 13 | | 40 | |
| Merida | June 5-Nov. 29 | 15 | 6 | Sept. 11, 2 cases imported from the district of Acanceh. |
| Peto | Nov. 26 | 1 | | |
| TekikVeracruz | Oct. 1 Sept. 24 | 1 . | 1 | On s. s. Sonora. |
| anama: | Sept. 24 | ****** | • | Ou s. s. conora. |
| Canal Zone— Ancon | Mar. 1-31 | | | 1 case at Culebra Island quaran tine station, from a vessel, and fatal case en route from Guay |
| enezuela: | A 15 N 0 | _ | | aquil. |
| Maiquetia | Aug. 15-Nov. 6 | 7 | 6 | |
| | PLAG | UE. | | |
| ustralia: | Apr. 39-June 12 | 2 | 2 | And vicinity. |
| AdelaideBunbury | June 4 | 1 . | 2 | On s. s. Zoroaster. |
| Mackay | Jan. 21-June 6 | 2 | 2 | OH OF BUILDINGS |
| Sydneyzores: | Apr. 18-May 29 | 5 | 1 | |
| Terceira ahrein Island, Persian Gulf | June 16 May 23-June 10 | 3 | 6 | |
| ra.dl: | May 90 Nov. 5 | 79 | *** | |
| Pernambuco | May 22-Nov. 5 Sept. 1-30 | 71 | 52 | |
| Rio de Janeiro | May 17-Nov. 1 | 9 | 3 | |
| | | | | |
| | | | 9/3 | |
| ritish East Africa: Kisumuhile: | July 10-Aug. 24 | 12 | 12 | |
| Kisumu | July 10-Aug. 24 May 9-30 May 20-Sept. 22 | 13 23 | 5 12 | Oct. 16, still present. Do. |

Cholera, yellow fever, plague, and small pox-Continued.

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---|--|-----------------------------|------------------------|---|
| Thinn | | | | |
| China: Amoy | June 1-Oct. 30 | 1 | 1,181 | |
| Canton | May 9-Aug 7 | 395 | 211 | |
| CantonChang-Poo | May 9-Aug. 7 July 23 | 020 | | |
| Chinchesty | May 22 | | | |
| Chinchew | July 1-31 | 11 | 4 | . Du. |
| Eng-Ta-Tau | Guly A Olasessesses | | | |
| Hankow | Oct. 9 | ****** | | |
| Manalana | May 9 Aug 19 | 92 | 83 | present. |
| Hongkong | May 2-Aug. 18 | | 59 | |
| Kang-be | July 24 Apr. 1-July 31 | 01 | | |
| Kang Thau | ADE. 1-July 31 | 125 | 62 | |
| Pollam | May 23-29 May 16-July 3 | | 7 | 1-1- 1 000 |
| Swatow district | May 16-July 3 | ****** | 450 | |
| | M 10 T1- 10 | | | Touchowfu and Yin Shan. |
| Swatow | May 16-July 19 | ***** | 2 | |
| cuador: | 2 | | | |
| Babohoyo | Sept. 21 | ****** | | Present. |
| Chunchi | June 1-30 | 3 | 1 | 1 |
| Duran | July 16-31 | 3 | | Sept. 21, again present. |
| Guayaquil | May 23-Oct. 23 | 149 | 111 | |
| Huigra | May 1-June 15 | 16 | 3 | |
| gypt: | | | | |
| Alexandria | May 30-Sept. 20 | 14 | 10 | |
| Port Said | May 29-Oct. 27 | 15 | 6 | |
| Provinces— | | | | 1 |
| Assigut | May 14-Sept. 28 | 48 | 8 | |
| Beherach | June 14-Sept. 8 | 37 | 14 | |
| Galyoobeeyeh | June 2-Sept. 6 | 10 | 2 | 1 |
| Garbieh | June 2-Nev. 2 June 3-23 | 49 | 19 | 1 |
| Fayum | June 3-23 | 15 | 6 | |
| Menouf | Jan. 18-Aug. 17 | 87 | 17 | 1 |
| erman East Africa: | viiii 10 114g. 11 | | | |
| Muanza district | Apr. 30-May 22 | | 12 | 1 |
| waii: | .tpr. 00 may 22 | | | |
| Hilo | Aug. 19-Oct. 4 | 4 | 3 | Cases Sept. 6 and 19 at Papaikou |
| Honolulu | July 20 | 1 | | The case arrived on the s. s |
| Honorulu | July 20 | - 1 | | Korea had been ill 11 days |
| | | | | Korea had been ill 11 days and probably received infec- |
| | | | | tion at Hongkong. |
| Olaa plantation | Aug. 20-22 | 3 | 2 | tion at Hongkong. |
| Olda plantation | | | | |
| dia: | | | | 1 |
| Bombay Presidency and | May 16-Oct. 2 | 10,027 | 7,309 | |
| Sind. | | | | |
| Madras Presidency | May 16-Oct. 2 May 16-Oct. 2 May 16-Oct. 2 | 2,948 1,250 | 1,838 | |
| Bengal | May 16-Oct. 2 | 1,250 | 1,015 | |
| United provinces | May 16-Oct. 2 | 5,725 | 5,051 | |
| Punjab | | | 6,624 | |
| Burma | May 16-Oct. 2 | 1,581 | 1,487 | |
| Central provinces, includ- | May 16-Oct. 2 | 4,488 | 3,759 | |
| ing Berar. | | | | |
| Mysore State | May 16-Oct. 2 | 2,514 | 1,808 | |
| Hyderahad State | Sept. 12-Oct. 2 | 81 | 62 | |
| Central India | July 18-Oct. 2 | 1,411 | 920 | |
| Rajputana and Ajmer-Mer- | May 16-Oct. 2 | 2,089 | 1,676 | |
| wara. | | 1 | -, | |
| Northwest Province | Sept. 26-Oct. 2 | 1 | | |
| | May 16-Sept. 25 | 5 | 4 | |
| Kashmir | | | | |
| Kashmir | | | 31,553 | |
| Grand total | | 39,930 | 31,000 | |
| Grand total | | 39,930 | 31,300 | |
| Grand totallo-China: | | | | |
| Grand totallo-China: Saigon | | 39,930 | 115 | |
| Grand totallo-China: Saigonsan: | May 9-Oct. 23 | 119 | 115 | In couth and gentral parts |
| Grand totallo-China: Salgon | May 9-Oct. 23 May 23-July 17 | 119 223 | 115 156 | In south and central ports. |
| Grand totallo-China: Saigonsan: | May 9-Oct. 23 | 119 | 115 | Hiogo ken, including Kobe, Jan |
| Grand totallo-China: Saigon | May 9-Oct. 23 May 23-July 17 May 30-Nov. 6 | 119 223 173 | 115 156 129 | |
| Grand total | May 9-Oct. 23 May 23-July 17 May 30-Nov. 6 July 4-Nov. 13 | 119 223 | 115 156 129 | Hiogo ken, including Kobe, Jan 1 to Oct. 22, 159 cases. |
| Grand total | May 9-Oct. 23 May 23-July 17 May 30-Nov. 6 July 4-Nov. 13 Sept. 11. | 119 223 173 3 | 115 156 129 | Hiogo ken, including Kobe, Jan 1 to Oct. 22, 159 cases. Present on a vessel. |
| Grand total | May 9-Oct. 23 May 23-July 17 May 30-Nov. 6 July 4-Nov. 13 | 119 223 173 | 115 156 129 | Hiogo ken, including Kobe, Jan 1 to Oct. 22, 159 cases. Present on a vessel. Oct. 20, present in Koki and Mat- |
| Grand total | May 9-Oct. 23 May 23-July 17 May 30-Nov. 6 July 4-Nov. 13 Sept. 11 July 17-Aug. 3 | 119 223 173 3 | 115 156 129 | Hiogo ken, including Kobe, Jan 1 to Oct. 22, 159 cases. Present on a vessel. Oct. 20, present in Koki and Mat- suyama. |
| Grand total do-China: Salgon san: Formosa Kobe Osaka Nagasakl Shikoku, island Shimonoseki | May 9-Oct. 23 | 119 223 173 3 | 115 156 129 | Hiogo ken, including Kobe, Jan. 1 to Oct. 22, 159 cases. Present on a vessel. Oct. 20, present in Koki and Mat- |
| Grand total | May 9-Oct. 23 | 119 223 173 3 3 | 115 156 129 1 | Hiogo ken, including Kobe, Jan. 1 to Oct. 22, 159 cases. Present on a vessel. Oct. 20, present in Koki and Mat- suyama. |
| Grand total | May 9-Oct. 23 | 119 223 173 3 3 | 115 156 129 1 | Hiogo ken, including Kobe, Jan. 1 to Oct. 22, 159 cases. Present on a vessel. Oct. 20, present in Koki and Mat- suyama. |
| Grand total | May 9-Oct. 23 May 23-July 17 May 30-Nov. 6 July 4-Nov. 13 Sept. 11 July 17-Aug. 3 | 119 223 173 3 3 | 115 156 129 1 | Hiogo ken, including Kobe, Jan. 1 to Oct. 22, 159 cases. Present on a vessel. Oct. 20, present in Koki and Mat- suyama. |

${\it Cholera, yellow fever, plague, and small pox-} {\it Continued.}$

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---------------------------|------------------|--------|----------|---------------------------------|
| Peru: | | | | |
| Arequipa, department | May 8-Sept. 23 | 15 | 4 | |
| Chala | July 3-15 | | | Present. |
| Mollendo | July 3-15 | | | Do. |
| Cajamarca, department | | | 6 | |
| Callao, department | | | 4 | |
| Callao | | | | Present. Sept. 1. again present |
| Ica, department | July 3-Sept. 9 | 2 | | I , |
| Lambayeque, department, . | | 18 | 11 | |
| Eten | July 15 | | | Present. |
| Libertad, department | May 8 Sept. 23 | 26 | 13 | |
| Salaverry | July 15 | | | Do. |
| Lima, department | May 8 Sept. 23 | 37 | 16 | |
| Cerro Azul | July 15 | | | Do. |
| Moquegua, department | July 16-29 | 6 | 2 | |
| 1lo | July 15 | | | Do. |
| Pescadores Islands | | 4 | | From s. s. Lodore. |
| Piura, department | June 18-Sept. 23 | 46 | 33 | |
| Paita | June 20-July 15 | | | Present. |
| Russia: | | | | |
| Kirgisenaul | Aug. 5-8 | 19 | 18 | In the Ural district to Aug. 14 |
| Siam: | | | | 22 deaths. |
| Bangkok | Apr. 25-Aug. 28 | 22 | 22 | |
| Trinidad: | Apr. 20 Aug. 20 | 44 | 22 | |
| Port of Spain | June 13-July 18 | 6 | 5 | |
| Furkey in Asia: | June 15 July 15 | 0 | 0 | |
| Adalia | June 25-Oct. 31 | 8 | 5 | |
| Beirut | June 25-July 4 | 1 | · · | In Harrett Aryk. |
| Uruguay: | June 20 July 1 | | ******** | the same of they ha |
| Montevideo | May 1-June 30 | | 2 | |
| Venezuela: | may i suffic so | | - | |
| Caracas | June 18-Nov. 11 | 15 | 5 | |
| Zanzibar | | 6 | 6 | |
| Canzidat | July 14-Nov. 5 | 0 | 0 | |

SMALLPOX

| Algeria: | | | | |
|-------------------|-----------------|------|-----------|-----------------------------------|
| Algiers | May 1-Sept 30 | 27 | 23 | |
| Bona | | 55 | 29 | |
| Arabia: | June 1-Oct. 31 | - 00 | 23 | |
| Aden | 1 0.0 | | | |
| Aden | Aug. 3-9 | | 1 | |
| Argentina: | | | | |
| Buenos Aires | | | | |
| Rosario | Apr. 1-July 31 | 3 | 3 | |
| Austria: | | | | |
| Bohemia | Sept. 26-Oct. 2 | 1 | | Imported. |
| Galicia | | 6 | ******** | |
| Silesia | | 17 | ********* | |
| Belgium: | odic so reag | | ******** | |
| Antwerp | July 18-24 | | | |
| Brazil: | July 10-24 | | ******* | |
| | M- 00 M- 1 | 100 | | |
| Bahia | | 187 | 112 | |
| Para | Oct. 23-30 | 2 | 2 | |
| Pernambuco | Apr. 1-Sept. 30 | | 130 | |
| Rio de Janeiro | | | | |
| Santos | May 10-16, | | 1 | |
| São Paulo | May 10-July 18 | | 12 | |
| Canada: | | | | |
| British Columbia- | | | | |
| Vancouver | June 1 July 21 | 4 | | |
| Vova Scotia | | | | |
| Halifax | Toma 19 Aug 9 | | | |
| Ontario— | June 15-Aug. 1 | 9 | ******** | |
| | 0 1 1 00 | | | |
| Hamilton | Sept. 1-30 | 2 | | |
| Quebec- | | | | |
| Montreal | June 17 | | | 2 cases additional at Grosse Isle |
| | | | | on e e Virginian |
| Quebec | Nov. 14 | 1 | | On s. s. Dominion from Liver- |
| • | | | | pool. |
| Ceylon: | | | | Local |
| Colombo | May 23.20 | 9 | | |
| Chile: | | - | ******** | |
| Valparaiso | Oct 10-16 | - 0 | | May 16 Nov 6 present |
| Santiago | Man 20 Aug 21 | 2 | | May 16-Nov. 6, present. |
| Canthago | May 29 Aug. 21 | | ******* | L'IESCHI. |

Cholera, yellow fever, plague, and small pox-Continued.

SMALLPOX-Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--|-----------------------|--------|----------|---|
| China: | | | | |
| Amoy | June 1-Sept. 11 | | . 32 | May 9-15, present. |
| Eng-Ta-Tau | July 1-31 | 9 | | May 6-10, presente |
| Hankow | | 1 | | Apr. 26-June 12, present among |
| Henghong | Man O Toma De | 20 | 1 .00 | natives. |
| Hongkong | | 16 | | |
| Kang Thau | . Apr. 1-June 30 | 7 2 | | |
| Newchwang Shanghai | . Aug. 1-14 | 2 | | Cont 95 still present among no |
| | | ****** | 9 | Sept. 25, still present among natives. Sept. 4, 1 case on s. s Wilmington. |
| Tientsin Egypt, general | June 27-July 3 | 1 | 2 | |
| Egypt, general | . Apr. 30-Oct. 7 | 1,615 | 373 | 1 |
| Alexandria | | 3 | | |
| Cairo | | | 20 | |
| Suez | May 21-Nov. 4 | 47 | 5 | |
| Ecuador: | A 02 | | | |
| EnsenadaGuayaquil | | 9 | | Epidemic. In July, 4 cases and 1 death in |
| Guayaquii | June 1-Aug. 10 | 9 | ******* | vicinity. |
| France: | | | | vicinity. |
| Bordeaux | Sept. 4 | | 1 | |
| Marseille | June 1-Oct. 31 | | 8 | |
| Nantes | July 1-31 | 1 | | |
| Paris | May 23-Oct. 2 | 41 | | |
| Toulon | July 25-31 | | 1 | |
| Jermany, general | May 30-Nov. 14 | 27 | | |
| Marseille Nantes Paris Toulon Germany, general Hibraltar | Aug. 8-Oct. 24 | 4 | | |
| | | | | |
| Cardiff | July 6 | 1 | | |
| CardiffLiverpool | June 21-26 | 2 | | Case, June 22, from s. s. Canada. |
| London | Oct. 3-Nov. 20 | 5 | ******** | |
| reece: | | | | |
| Athens | Sept. 19-25 | ***** | 2 | |
| lungary: Budapest | Sept. 26-Oct. 9 | 2 | 1 | |
| ndia: | Берг. 20-Ост. 3 | _ | 1 | |
| Bombay | | | 97 | |
| Calcutta | May 16-Sept. 4 | | 128 | |
| Madras | May 22-Oct. 29 | | 25 | |
| Rangoonndo-China: | May 12-Oct. 23 | | 35 | |
| Saigon | May 9-Oct. 23 | 22 | 21 | |
| taly, general | May 31-Nov. 21 | 503 | | |
| Genoa | June 1-Oct. 15 | 21 | ******** | |
| Naples | May 31-Nov. 21 | 1/8 | 7.1 | |
| Ottiana | June 23 | 1 | | |
| Rome | Mar. 7-13 | | 1 | |
| Turin | Oct. 22-28 | 1 | | |
| apan: | | | | |
| Formosa | June 13-19 | 1 | | |
| Moji | June 6. | | | From s. s. Selja. |
| OsakaYokohama | Jan. 1-May 31 | 3 | ******** | |
| ava: | June 1-1 | 1 | ******* | |
| Batavia | May 6-Sept. 11 | 31 | 1 | |
| falta: | | O. | | |
| Valetta | Sept. 11-18 | 3 | | |
| auritius: | | | | |
| Port Louis | Apr. 1-30 | 1 | 1 | |
| lexico | ************* | ****** | | Oct. 31, present at Orizaba, |
| | | | | Puebla, and along the lines of |
| Accounted | O-1 10 02 | | | railroad. |
| Acapuico | Oct. 19-25 | 1 | | |
| Chibushus | June 21-Nov. 21 | | . 4 | |
| Guadalajara | Aug. 16-Nov. 21 | - | | |
| Medellin | Oct 31 | | * | Oct 94 present in vicinity |
| Mexico | May 16 Nov 6 | | 05 | Oct. 24, present in vicinity. |
| Acapulco Aguascalientes Chihuahua Guadalajara Medellin Mexico Monterey | June 14-Nov. 28 | ****** | 32 | |
| Soledad | Oct. 24 | 3 | -92 | |
| Veracruz | June 1-Oct. 31 | 29 | 9 | Aug. 12-Oct. 2, 7 cases imported from Medellin. Oct. 26, 1 case from Orizaba and 1 case on s. s. Montevideo. |
| ewfoundland: | | | | ALCOHOL TOME OF |
| St. Johns | Sept. 4 | 3 | | |
| orway, general | Apr. 1-May 30 | 3 | | |
| anama: | | | | |
| Canal Zone— | Committee of the last | | | |
| Ancon | Mar. 1-31 | 1 . | | At Culebra Island quarantine |
| | | | | station; from a vessel. |

Cholera, yellow fever, plague, and small pox-Continued.

SMALLPOX-Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------------|----------------------------------|--------|-----------|--|
| Persia: | | | | |
| Guilan, province | Oct. 4 | 1 | | Present. |
| Khorassan | | | | |
| Kurdistan | | | | |
| Mazanderan | July 1-Sept. 30 | | | |
| Mazanderan | July 1-Sept. 30 | | | Present in June; epidemic in |
| Meshed-i-Sur | | 1 | | vicinity. |
| Shiraz | | | | |
| Turbat-i-Haidari | May 1-31 | | | Do. |
| Peru: | | | | |
| Lima | July 4-10 | 1 | | In the lazaretto. |
| Mollendo | Aug. 28 | | | Present, |
| Philippine Islands | g | | 1 | |
| Philippine Islands: Manila | May 9-Oct. 23 | 19 | 8 | Fourth quarter, 1908, 28 cases |
| | | | | Fourth quarter, 1908, 28 cases and 8 deaths; first quarter, 1909, 55 cases and 16 deaths; second quarter, 1909, 76 cases and 9 deaths. |
| Iloilo, province | July 1-Aug. 31 | 237 | 142 | |
| Porto Rico | | | 10 | |
| Potugal: | | | | |
| Lisbon | May 30-Nov. 20 | 161 | | |
| Russia: | | | ******** | |
| Libau | May 6-Nov. 21 | 11 | 1 | |
| Moscow. | | | 115 | |
| | | 125 | | |
| Odessa | | | 26 | M 1 Clast 20 20 deaths |
| Riga | | 81 | | May 1-Sept. 30, 39 deaths. |
| St. Petersburg | May 16-Nov. 13 | | 121 | |
| Warsaw | Apr. 25-Oct. 9 | | 39 | |
| Siam: | | | | |
| Bangkok | Apr. 25-June 28 | 2 | 1 | |
| Siberia: | | | | |
| Vladivostok | May 15-June 3 | 4 | 1 | |
| Spain: | | - | | |
| Almeria | June 1-Oct. 31 | | 17 | |
| Barcelona | | | | |
| Huelva | | | 55 | |
| | May 1-Oct. 30 | | | |
| Madrid | | | | |
| Seville | | | | |
| Tarragona | July 20-26 | | 1 | |
| Valencia | May 20-Oct. 30 | 79 | 3 | |
| Vigo | May 20-Oct. 30 May 23-Oct. 16 | | 18 | |
| Straits Settlements: | | | | |
| Penang | Aug. 15-21 May 16-Oct. 16 | 1 | | |
| Singapore | May 16-Oct 16 | - | 3 | |
| Switzerland: | may 10 000.10 | | | |
| Argau, canton | June 20-26 | 1 | | |
| | Tune 12 10 | 1 | ********* | |
| Fribourg, canton | | 1 | ********* | |
| Geneva | May 30-June 26 | 9 | | |
| Tripoli: | | | | |
| Tripoli | May 23-Nov. 13 July 19 | 216 | 30 | |
| Furkey in Asia | July 19 | | | Present in interior. |
| Bagdad | May 9-Oct. 9 | | | Present. |
| Bassorah | May 23-June 26 | | | Do. |
| Hadjin | July 19 | | | Do. |
| Smyrna | | | | |
| Turkey in Europe: | - ay 1 - 50th 10 | | 2.71 | |
| Constantinents | Man 21 Oat 2: | | 11 | |
| Constantinople | May 31-Oct. 31 | | 11 | |
| ruguay: | | | | |
| Montevideo | Apr. 1-Sept. 30 | | 25 | |

Weekly mortality table, foreign and insular cities.

| | | | m all | - | | | I | Deatl | hs fro | m— | 1 | 1 | | ن ا |
|-----------------------|--------------------|------------------------|---------------------------|---------------|----------|----------|---------------|-----------|---------------|----------------|----------------|-------------|----------|----------------|
| Cities. | Week ended— | Estimated population. | Total deaths from causes. | Tuberculosis. | Plague. | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough |
| Acapulco, Mexico | Nov. 13 | 5,000 | 1 | | | | | | | | | | | |
| Aguascalientes | Nov. 14 | 5,000 40,000 | 36 | | | | | | 2 | | | | | *** |
| Aix la Chapelle | | 40,000 160,280 | 35 47 | 2 | | | | 3 | 1 | **** | | | 1 | |
| Do | Nov. 6 | 160, 301 | 54 | 5 | | | | | **** | | | | 1 | |
| Amoy Do | Oct. 9 Oct. 16 | 400,000 400,000 | 172 167 | | 38 39 | 37 27 | | | **** | **** | | **** | **** | *** |
| Do | Oct. 16 | 400,000 | 153 | | 38 | 22 | | | | | | | | |
| Do | Oct. 30 | 400,000 | 176 | | 40 | | | | | | | | | |
| Amsterdam Bahia | Nov. 20 Oct. 29 | 506, 665 265, 000 | 137 106 | 17 | 2 | **** | | 8 | **** | **** | **** | | 3 | |
| Do | Nov. 5 | 265,000 | 124 | 23 | 1 | | | 18 | | | | | | |
| BarmenBarcelona | Oct. 30 Nov. 15 | 162,800 | 37 375 | 6 29 | | | **** | | | | 1 | 10 | | |
| Do | Nov. 22 | 591,272 $591,272$ | 320 | | | | | | | | | 7 | | |
| Basel | Nov. 13 | 131,000 | 28 | 6 | | | | | | **** | | | | |
| BergenBerlin | Nov. 6 | 87,749 $2,108,727$ | 23 562 | 73 | ***** | * * * * | | | | 3 | 17 | 16 | i | |
| Bombay | Nov. 2 | 977,822 | 522 | 41 | 3 | 1 | | 1 | | | | | | |
| Do Bordeaux | Nov. 9 Oct. 2 | 977,822 | 538 | 45 | 8 | 3 | | | | 3 | **** | | 1 | |
| Do | Oct. 2 Oct. 9 | 253,000 $253,000$ | 69 96 | 12 | | **** | | **** | **** | 1 | | **** | | |
| Do | Oct. 16 | 253,000 | 95 | 10 | | | | | | | | 2 | | |
| Do | Oct. 23 Oct. 30 | 253,000 | 104 | 21 18 | | | **** | | | 1 | | | | *** |
| Do | Oct. 30 Nov. 6 | 253,000 253,000 | 75 | 9 | | | | | | | **** | | | |
| Do | Nov. 13 | 253,000 | 107 | 12 | | | | | | | | 3 | | 1 |
| BremenBreslau | Oct. 30 | 235,648 $335,200$ | 57 193 | 8 26 | | | | | | 1 | 1 | 1 | 5 | 1 |
| Do | Nov. 6 | 335,200 | 188 | 25 | | | | | | | î | 4 | | 4 |
| Brussels | Nov. 13 | 562,895 | 199 | 25 | | | | | | 3 | 1 2 | 1 4 | 3 | - |
| Budapest | Nov. 6 Oct. 16 | 804, 200 847, 796 | 435 | 24 | 5 | | | | | | | * | 2 | 1 |
| Do | Oct. 30 | 847,796 | 491 | 25 | 10 | 9 | | | | | | | | |
| Canton Do | Oct. 23 Oct. 30 | 1,000,000 1,000,000 | 200 200 | 25 20 | | | | | | | **** | **** | **** | |
| Chemnitz | Nov. 6 | 277,914 | 79 | | | | | | | | 1 | | | |
| Do | Nov. 13 | 277,914 | 23 | 11 | | | | | | | 2 | 3 | | |
| Chihuahua Do | Nov. 14 Nov. 21 | 37,000 37,000 | 18 16 | | | | | | | | | 1 | | |
| Christiania | Nov. 13 | 236,000 | 57 | 6 | | **** | | | | | | 2 | 1 | |
| CoburgCognae | | 23, 445 19, 483 | 10 | | | | | | | | | | | |
| Cologne | Nov. 6 | 472,341 | 144 | 17 | | | | | | 1 | 2 | 1 | 1 | - |
| Do | Nov. 13 | 472,341 | 147 | 12 | | | | | | | 5 | 3 | 2 | 5 |
| ColonConstantinople | Nov. 14 | 16,000 | 13 239 | | | | | | | | | **** | **** | **** |
| Dalny | Oct. 16 | 39,813 | 26 | 1 | | 2 | | | | 2 | | | | |
| Do | Oct. 23 Nov. 1 | 39,813 39,813 | .13 | | ***** | | | | | 3 | | 644.0 | **** | |
| Do | Nov. 6 | 39, 813 | 17 | | ****** | | | | | | | | | |
| Dresden | Nov. 13 | 550, 100 | 152 | 19 | | | | | **** | | **** | 4 | | 1 |
| Erfurt Do | Oct. 30 Nov. 6 | 107, 497 107, 497 | 26 29 | 1 | | | | **** | **** | | **** | 2 | | |
| Do | Nov. 13 | 108,449 | 28 | 4 | | | | | | | | | | 2 |
| Flume | Nov. 20 | 50,811 21,208 | 17 | | | | | | - 1 | | **** | | | * * * * |
| Frankfort on the Main | Oct. 30 | 368,800 | 80 | * * * * * . | | | | | | 1 | 1 | 1 | | |
| Do | Nov. 6 | 368,800 | 86 | | | | | *** | | | | | 1 | |
| lasgow | Nov. 19 | 121,500 872,021 | 27 566 | | | | **** | *** | 1 | 4 | 10 | 7 | 22 | 5 |
| othenburg | Nov. 13 | 162,400 | 34 | 11 | | | | | | | 1 | 1 | | |
| Freenock | Nov. 20 Nov. 18 | 72,300 $125,000$ | 23 62 | 2 | | | | | | | 4 | | | 1 |
| luayaquil | Nov. 6 | 75,000 | 97 | 11 | 16 . | | 2 | | | | 4 | | | 2 |
| Do | Nov. 13 | 75,000 | 72 | 6 | 18 . | | 6 . | | | | | | | 2 |
| IalifaxIamburg | Nov. 27 Nov. 13 | 50.000 872,252 | 21 240 | 26 | | | | *** | | | 3 | 7 | | 1 |
| longkong | Oct. 30 | 336,488 . | | | | | | | | | | | | |
| Kobe | Nov. 6 | 380,717 | 215 | | 13 | 1 . | | | | | | 1 | 2 | |
| Konigsberg Do | do Nov. 13 | 240,000 240.000 | 95 90 | 7 . | | | | | | 1 | | **** | 3 | i |
| a Guaira | Nov. 6 | 10,000 | 9 | 1 . | | | | | | 1 | | | *** | |
| elpzig | do | 537, 686 | 130 | | ***** | | | | 1 | 1 . | | 2 3 | 1 . | *** |
| Do | Nov. 13 | 537,686 | 162 | 17 . | | | | ** | 1 | 2 . | | 430 | 3 . | |

Weekly mortality table, foreign and insular cities-Continued.

| | | | II II | | | | 1 | Deatl | hs fro | m- | | | | |
|--------------------|--------------------|------------------------------------|---------------------------|---------------|---------|----------|---------------|-----------|---------------|----------------|----------------|-------------|----------|-----------------|
| Cities. | Week ended— | Estimated. population | Total deaths from causes. | Tuberculosis. | Plague. | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. |
| Leipzig | | 537,686 | 162 | 17 | | | | | 1 | 2 | | 3 | 3 | |
| LibauLiege | | 90,000 175,738 | 52 | 7 | | | | | | | | | 1 | |
| Lubeck | Nov. 13 | 175, 738 97, 500 509, 346 | 33 374 | 4 | | | | 1 | | 2 | **** | | 1 | |
| Madras Do | Nov. 5 | 509, 346 | 371 | | | | | | | | | | | |
| Managua | Nov. 6 Nov. 13 | 22,278 52,000 | 13 24 | 2 | | **** | 1 | | | | **** | | **** | *** |
| Mannheim | Oct. 30 | 184, 532 | 40 | 7 | | | | | | | | | | 1 |
| Mexico | | 184, 532 400, 000 | 33 305 | 29 | | | | 1 | 4 | 1 | | 2 | 1 | |
| Monterey | Nov. 28 | 100,000 | 41 | 5 | 4 | ķ | | 1 | | 1 | | 9 | | |
| Montreal Moscow | | 389,837 1,500,000 | 150 793 | 83 | ***** | | | | 1 | 3 5 | 3 51 | 32 | 17 | 1 |
| Do | Nov. 6 | 1,500,000 | 685 | 84 | | | | 1 | | 7 | 42 | 29 | 8 | |
| MunichNagasaki | Oct. 31 | 566,000 175,936 | 173 46 | 29 | ***** | | | | | 1 | | ī | | |
| Niagara Falls | (Oct. 7- | 1 | 18 | | | | | | | | | | | |
| Nuremberg | Nov. 30 Oct. 30 | 316, 180 | 93 | 21 | | | | | | 1 | 2 | 1 | | |
| Do | Nov. 6 | 316, 180 | 88 | 15 | | | | | | | 1 | | | |
| Odessa | | 520,000 520,000 | 281 264 | 21 22 | ***** | | | | | 12 | 23 | 8 | 4 | *** |
| Do | Nov. 13 | 520,000 | 203 | 9 | | | | 1 | | 8 | 31 | 5 | 4 | |
| Para | | 185,000 185,000 | 82 78 | 11 7 | | | 1 2 | | **** | **** | **** | **** | *** | *** |
| Patras | Nov. 15 | 40,000 | 12 | 4 | ***** | | | | | 1 | | | | |
| Plymouth | Nov. 20 | 124, 180 | 42 26 | 3 | | | | | | | **** | | | : |
| Port of Spain | Nov. 6 Nov. 13 | 60,000 60,000 | 32 | 6 | | | | | | | | **** | | *** |
| Prague | Nov. 6 | 229,965 | 106 | 27 | | *** | | | **** | 1 | 1 | 1 | **** | |
| Quebec | Nov. 13 Nov. 27 | 223, 649 | 102 | 24 | | | | | | | 2 | 2 | | |
| Rangoon | Oct. 23 | 252, 155 | 197 | 4 | 3 | 2 | | 1 | | | | | | |
| Rio de Janeiro | Oct. 30 Nov. 1 | 252, 155 811, 443 | 183 206 | 44 | 3 | | | | | | **** | | 3 | |
| Rotterdam | Nov. 20 | 416, 383 | 103 | | | | | | | | | | | |
| Saigon | Oct. 16 Oct. 23 | 206,000 206,000 | 4 | | 3 | | | 1 | | | | | | |
| St. John | Nov. 27 | 40,811 | 17 | 1 2 | | | | | | | | **** | |] |
| St. Petersburg | Dec. 4 Oct. 12 | 1.678,000 | 13 693 | 105 | ***** | 34 | | 7 | | 7 | 16 | 20 | 27 | 11 |
| Do | Oct. 23 | 1,678,000 | 738 | 86 | | 58 | | 9 | 2 | 7 7 9 | 10 | 13 | 24 | 13 |
| Do | Nov. 6 Nov. 13 | 1,678,000 1,678,000 | 691 680 | 112 | ***** | 25 18 | | 9 | 1 | 9 | 14 14 | 18 13 | 27 21 | 12 |
| Santa Cruz | do | 46,000 | 22 | 3 | | | | | | | | × * * × | 2 | |
| SheldamShanghai | Nov. 20 Oct. 9 | 31, 863 550, 000 | 10 210 | 17 | ***** | | | | | | | | **** | |
| Do | Oct. 16 | 550,000 | 220 | 18 | | | | | | | | | | |
| DoSingapore | Oct. 23 Oct. 16 | 550,000 271,060 | 175 209 | 16 33 | | | | i | **** | 2 | | 1 | | |
| Southampton | Nov. 20 | 124,667 | 30 | 3 | | | | | | | | | | 1 |
| StettinStockholm | Oct. 30 | 238,000 339,582 | 77 80 | 7 19 | | | | | | | | | | 1 |
| Tripoli | Nov. 6 | 42,000 | | 3 2 | | | | | | | | | | |
| Turin | Nov. 13 Oct. 28 | 42,000 381,439 | 110 | 16 | | | | | | | | | | |
| Do | Nov. 4 | 381, 439 | 120 | 11 | | | | | | | **** | | | |
| Valencia Venice | Oct. 30 Oct. 2 | 240,000 179,286 | 69 63 | 10 | ****** | | | | | | | | | |
| Do | Oct. 9 | 179, 286 | 48 | 6 | | | **** | **** | | | | 1 | | |
| Do Do | Oct. 16 Oct. 23 | 179, 286 179, 286 | 51 64 | 5 7 | | | | | | **** | | 1 | | |
| Do | Oct. 30 | 179.286 | 47 | 7 | | | | | | | | | | |
| Do Veracruz | Nov. 6 Nov. 20 | 179, 286 32, 000 2, 085, 888 | 64 24 | 5 | | | | | | | | | | |
| Vienna | Nov. 13 | 2,085,888 | 556 | 87 | | | | | | 2 | 1 | 6 | 2 | |
| Vladivostok Do | Oct. 5 | 85,004 85,004 | 54 19 | 3 2 | | 14 | | | | | | | | |
| Do | Oet. 13 Oet. 21 | 85,004 | 24 | | | | | | | | | | | |
| Warsaw Do | Sept. 25 Oct. 9 | 764, 054 764, 054 | 344 297 | | | | | 3 7 | 1 | 3 | 16 | 15 | 10 | 3 |
| Winnipeg | Nov. 27 | 122,000 6,700 6,700 | 35 | | | | | | | | | 1 | | |
| Yarmouth | do Dec. 4 | 6,700 | 15 | *** | | | | | | | | 1 | | |
| Yokohama | Nov. 8 | 392,870 | | | | | | | | 1 | | 1 | **** | |

MORTALITY-FOREIGN AND INSULAR-COUNTRIES AND CITIES-UN-TABULATED.

Argentina—Buenos Aires.—Month of September, 1909. Estimated population, 1,214,646. Total number of deaths, 1,629, including diphtheria 4, measles 13, scarlet fever 3, typhoid fever 6, whooping cough 2, and 174 from tuberculosis.

Canada—Quebec—Sherbrooke.—Month of November, 1909. Estimated population, 15,300. Total number of deaths, 16, including 2

from tuberculosis.

France-St. Etienne.-Two weeks ended November 15, 1909. Estimated population, 150,000. Total number of deaths, 122, including scarlet fever 1, typhoid fever 1, and 22 from tuberculosis.

Great Britain and Ireland.—Week ended November 13, 1909. England and Wales.—The deaths registered in 76 towns having an aggregate estimated population of 16,445,281, correspond to an annual rate of 13.8 per 1,000.

Ireland.—The deaths registered in 21 principal town districts having an aggregate estimated population of 1,142,308, correspond to an annual rate of 19.2 per 1,000. The lowest rate was recorded at Drogheda, viz, 4.1, and the highest at Portadown, viz, 31 per 1,000.

Scotland.—The deaths registered in 8 principal towns having an aggregate estimated population of 1,865,571 show a total of 566, including diphtheria 7, measles 22, scarlet fever 10, typhoid fever 4,

typhus fever 1, and 5 from whooping cough.

ITALY—Genoa.—Two weeks ended October 31, 1909. Estimated population, 279,163. Total number of deaths, 165, including diphtheria 1, smallpox 1, typhoid fever 1, and 29 from tuberculosis. Two weeks ended November 15, 1909. Total number of deaths, 177, including diphtheria 3, and 23 from tuberculosis.

Porto Rico.—Month of November, 1909. Estimated population, 1,053,963. Total number of deaths, 184, including diphtheria 3, measles 2, smallpox 10, typhoid 17, and 151 from tuberculosis.

Samoa—Tutuila.—Month of September, 1909. Estimated population, 6,200. Total number of deaths, 17, including 1 from tuberculosis. Month of October, 1909. Total number of deaths, 20, including 1 from tuberculosis.

Spain-Almeria.-Month of October, 1909. Estimated population, 50,910. Total number of deaths not reported. Five deaths from typhoid fever, 4 from measles, 3 from scarlet fever, and 3 from smallpox reported.

Seville.—Month of October, 1909. Estimated population, 148,315. Total number of deaths, 367, including diphtheria 1, scarlet fever 1,

typhoid fever 1, and 77 from tuberculosis.

The following cases of and deaths from smallpox, yellow fever, cholera, and plague have been reported to the Surgeon-General, Public Health and Marine-Hospital Service, during the week ended December 17, 1909:

SMALLPOX-UNITED STATES.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---|--|---|----------------------------------|----------|
| Alabama: | | | | |
| Montgomery | Nov. 20-27 | 23 | | |
| California: | | | | |
| San FranciscoColorado: | do | 1 | | • |
| Fruita | do | 8 | | |
| Connecticut: | | | ******** | |
| Stamford | Nov. 1-30 | 1 | ******** | |
| Indiana: Marion | Non 27 Dec 1 | 1 | 1 | |
| South Bend. | Nov. 27-Dec. 4 Nov. 23-30. | 4 | ****** | • [|
| Kansas: | 2404. 20-00 | | | |
| Independence | Nov. 27-Dec. 4 | 2 | | |
| Louisiana: | | | | |
| New Orleans | do | 1 | ******* | i |
| Bay City | Nov. 28-Dec. 4 | 3 | | |
| Innesota: | | | | |
| Duluth | Nov. 20-Dec. 4 | 4 | | |
| dississippi: | 0 . 00 | | | |
| Brookhaven | Oct. 30-Nov. 6 | 1 5 | ******** | |
| dissouri: | Nov. 20-24 | a | ******** | |
| St. Louis | Nov. 27-Dec. 4 | 3 | | |
| fontana: | | | | |
| Stevensville | Nov. 20-27 | 1 | ******** | |
| North Carolina: Charlotte | Nov. 20-Dec. 4 | 8 | | |
| Hickory | Oct. 30-Nov. 6 | 1 | | |
| innorg | Nov. 20-27. | 3 | | |
| Ohio: | 1 | | | |
| Dayton | Nov. 20-Dec. 4 | 6 | 1 | |
| 'ennessee: Memphis | Nov. 20-27 | 2 | | |
| Nashville | Nov. 27-Dec. 4 | 1 | ********* | |
| exas: | | - | | |
| Paris | Nov. 20-27 | 29 | | |
| ermont: | | | | |
| SmithfieldVisconsin: | do | 1 | ******* | |
| La Crosse | do | 1 | | |
| Superior | de | î | | |
| SM | ALLPOX-INSULAR. | | | |
| D.M. | ADDI OA TAGODAN. | | | |
| | | | | |
| orto Rico | Nov. 1-30 | ****** | 10 | |
| | Nov. 1-30 | • | 10 | |
| SM. | ALLPOX-FOREIGN. | ••••• | 10 | |
| SM Srazil: Bahia | ALLPOX-FOREIGN. | 32 | 26 | |
| sm. Frazil: Bahia. Rio de Janeiro | | 32 | | |
| Srazil: BahiaRio de Janeiro | Oct. 22-Nov. 5 Oct. 24-Nov. 1 | | | Present |
| srazil: Bahia Rio de Janeiro hile: Valparaiso | ALLPOX-FOREIGN. | | | Present. |
| srazil: Bahia. Rio de Janeiro. hile: Valparaiso. adia: Bombay. | Oct. 22-Nov. 5 Oct. 24-Nov. 1 | 3 | 26 | Present. |
| srazil: Bahia. Rio de Janeiro. hile: Valparaiso. ddia: Bombay. Madras. | Oct. 22-Nov. 5 Oct. 24-Nov. 1 Oct. 30-Nov. 6 Nov. 2-9 | 3 | 26 | Present. |
| srazil: Bahia Rio de Janeiro. hile: Valparaiso dia: Bombay Madras Rangoon. | Oct. 22-Nov. 5 Oct. 24-Nov. 1 | 3 | 26 | Present. |
| srazil: Bahia. Rio de Janeiro. hile: Valparaiso. ndia: Bombay. Madras. Rangoon. do-China: | Oct. 22-Nov. 5 | 3 | 26 | Present. |
| srazil: Bahia Rio de Janeiro hile: Valparaiso ddia: Bombay Madras Rangoon do-(China; | Oct. 22-Nov. 5. Oct. 24-Nov. 1. Oct. 30-Nov. 6. Nov. 2-9. Oct. 23-29 Oct. 16-23. | 3 | 26 | Present. |
| razil: Bahia Rio de Janeiro hile: Valparaiso dia: Bombay Madras Rangoon do-China: Saigon. | Oct. 22-Nov. 5 | 1 16 | 26 | Present. |
| srazil: Bahia. Rio de Janeiro. hile: Valparaiso dia: Bombay. Madras. Rangoon. china: Saigon. aly, general. Naples. | Oct. 22-Nov. 5 | 1 16 6 | 26 | Present. |
| SM STATE | Oct. 22-Nov. 5 Oct. 24-Nov. 1 Oct. 30-Nov. 6 Nov. 2-9 Oct. 23-29 Oct. 16-23 do Nov. 14-21 do Oct. 21-28 | 1 16 | 26 | Present. |
| srazil: Bahia. Rio de Janeiro. hile: Valparaiso . ddia: Bombay. Madras Rangoon. do-China: Saigon. aly, general. Naples. Turin. wa: Batavia. | Oct. 22-Nov. 5 | 1 16 6 | 26 | Present. |
| SM Sm Sm Sm Sm Sm Sm Sm | Oct. 22-Nov. 5 Oct. 24-Nov. 1 Oct. 30-Nov. 6 Nov. 2-9 Oct. 16-23 do Nov. 14-21 do Oct. 21-28 Oct. 16-23 | 1 16 6 1 | 26 1 1 1 1 1 2 | Present. |
| SM. Brazil: Bahia. Rio de Janeiro hile: Valparaiso addia: Bombay. Madras. Rangoon. ndo-China: Saigon. saly, general. Naples. Turin. tva: Batavia. exico: Aguascalientes. | Oct. 22-Nov. 5 Oct. 24-Nov. 1 Oct. 30-Nov. 6 Nov. 2-9 Oct. 23-29 Oct. 16-23 do Nov. 14-21 do Oct. 21-28 Oct. 16-23 Nov. 14-21 Nov. 14-21 | 1 16 6 1 5 | 26 | Present. |
| srazil: Bahia. Rio de Janeiro hile: Valparaiso adia: Bombay Madras. Rangoon ado-China: Saigon. saly, general Naples. Turin wa: Batavia. lexico: Aguascalientes Chihuahua | Oct. 22-Nov. 5 Oct. 24-Nov. 1 Oct. 30-Nov. 6 Nov. 2-9. Oct. 23-29. Oct. 16-23 do Nov. 14-21 do. Oct. 21-28 Oct. 16-23 Nov. 14-21 do. | 1 16 6 1 5 | 26 1 1 1 1 2 2 | Present. |
| Srazil: Bahia. Rio de Janeiro. hille: Valparaiso. ndia: Bombay. Madras. Rangoon. ado-China: Saigon. saly, general. Naples. Turin wa: Batavia. lexico: Aguascalientes. Chihuahua. Mexico City. | Oct. 22-Nov. 5 Oct. 24-Nov. 1 Oct. 30-Nov. 6 Nov. 2-9 Oct. 16-23 do Nov. 14-21 do Oct. 21-28 Oct. 16-23 Nov. 14-21 do Oct. 30-Nov. 6 | 1 16 6 1 5 | 26 1 1 1 1 1 2 1 3 1 | Present. |
| srazil: Bahia. Rio de Janeiro hile: Valparaiso dia: Bombay. Madras. Rangoon. do-China: Saigon. aly, general. Naples. Turin wa: Batavia. Exico: Aguascalientes. Chiluahua. Mexico City. | Oct. 22-Nov. 5 Oct. 24-Nov. 1 Oct. 30-Nov. 6 Nov. 2-9. Oct. 23-29. Oct. 16-23 do Nov. 14-21 do. Oct. 21-28 Oct. 16-23 Nov. 14-21 do. | 1 16 6 1 5 | 26 1 1 1 1 2 2 | Present. |

SMALLPOX-FOREIGN-Continued.

| Place. | Date. | Cases. | Deaths. | Remarks |
|---|--|----------|--|-----------|
| Russia: | | | | |
| Libau | Nov. 7-14 Oct. 23-Nov. 6 Oct. 23-Nov. 13 | 5 | 1 | |
| Moscow | Oct. 23-Nov. 6 | 4 | 1 | |
| Odessa | Oct. 23-Nov. 13 | 19 | 4 | |
| Riga | Oct. 23–30 Oct. 5–Nov. 13 | 94 | 36 | |
| St. Petersburg | Oct. 5-Nov. 13 | | 10 | |
| Warsaw | Sept. 19-Oct. 9 | | 10 | |
| Spain: Almeria | Oct. 1-31 | | 3 | |
| Barcelona | Nov. 8-22 | | 2 | |
| Valencia | Oct. 23-30 | 1 | | |
| Valencia Straits Settlements: | 000.20 00 | - | | |
| Singapore | Oct. 9-16 | | 1 | |
| Fripoli: | | | | |
| Tripoli | Oct. 31-Nov. 13 | 7 | | |
| | YELLOW FEVER. | | | • |
| Brazil: | | | | |
| Manaos | Nov. 6-13 | | 1 | |
| Para | Nov. 6-20 | 6 | 3 | |
| Ecuador: | | | | |
| Guayaquil | Oct. 31-Nov. 13 | | 8 | |
| Mexico: | N | | | |
| Merida | Nov. 29 | 1 | ********* | |
| Peto | Nov. 26 | | | * |
| | CHOLERA. | | | |
| India: | | | | |
| Bombay | Oct. 27-Nov. 9 | | 4 | |
| Calcutta | Oct. 9-16 | | 7 | |
| | Oct. 23-30 | | 9 | |
| Rangoon | Oct. 16-30 | | 7 | |
| Japan: | | | | |
| Osaka | Nov. 17 | 1 | | |
| Java: | 0.4.00 | | | Present. |
| Batavia | Oct. 26 | ****** | ******** | r resent. |
| Manchuria: | Oat 0.16 | | 2 | |
| Dalny | Oct. 9-16 Oct. 25-Nov. 1 | | 2 | |
| | | | - | |
| Russia in Asia: | Sept 22 Oct 21 | 115 | 83 | |
| Vladivostok | Oct 31-Nov 6 | 172 | 78 | |
| | | | | |
| Russia in Europe, general | do | 81 | 20 | |
| St. Petersburg. St. Petersburg, government. | do | 81 22 | 11 | |
| St. Petersburg. St. Petersburg. St. Petersburg. | PLAGUE. | 81 22 | | |
| | | 81 22 | | |
| St. Petersourg, government | PLAGUE. | 7 | | |
| Brazil: Bahia. | | 7 | 11 | |
| Brazil: Bahia. Rio de Janeiro. | PLAGUE. Oct. 22-Nov. 5 Oct. 25-Nov. 1 | 7 2 | 11 | |
| Brazil: Bahia | PLAGUE. Oct. 22-Nov. 5. | 7 2 | 11 | Present. |
| Brazil: Bahia Rio de Janeiro Thina: Hankow | PLAGUE. Oct. 22-Nov. 5. Oct. 25-Nov. 1. Dec. 7. | 7 2 | 3 | Present. |
| Brazil: Bahia | PLAGUE. Oct. 22-Nov. 5 | 7 2 | 3 21 | Present. |
| Brazil: Bahia. Rio de Janeiro. China: Hankow Ecuador: Guayaquil. | PLAGUE. Oct. 22-Nov. 5. Oct. 25-Nov. 1. Dec. 7. Oct. 30-Nov. 13. | 7 2 | 3 21 34 | Present. |
| Brazil: Bahia Rio de Janeiro China: Hankow Ecuador: Guayaquil India, general | PLAGUE. Oct. 22-Nov. 5. Oct. 25-Nov. 1. Dec. 7. Oct. 30-Nov. 13. | 7 2 | 3 21 34 3,456 | Present. |
| Brazil: Bahia. Rio de Janeiro. China: Hankow Ecuador: Guayaquil. India, general. Bombay | Oct. 22-Nov. 5 | 4,287 | 3 21 34 3,456 | Present. |
| Brazil: Bahia Rio de Janeiro Thina: Hankow Ecuador: Guayaquil India, general. | PLAGUE. Oct. 22-Nov. 5. Oct. 25-Nov. 1. Dec. 7. Oct. 9-23. Oct. 30-Nov. 13. Oct. 23-30. Oct. 27-Nov. 9. Oct. 9-16. | 7 2 | 21 34 3,456 11 5 | Present. |
| Brazil: Bahia. Rio de Janeiro. China: Hankow Ecuador: Guayaquil. India, general. Bombay. Calcutta. | Oct. 22-Nov. 5. Oct. 25-Nov. 1. Dec. 7. Oct. 9-23. Oct. 30-Nov. 13. Oct. 23-30. Oct. 27-Nov. 9. Oct. 9-16. | 7 2 | 3 21 34 3,456 11 5 | Present. |
| Brazil: Bahia. Rio de Janeiro. China: Hankow Ecuador: Guayaquil. India, general. Bombay. Calcutta. Rangoon. | PLAGUE. Oct. 22-Nov. 5. Oct. 25-Nov. 1. Dec. 7. Oct. 9-23. Oct. 30-Nov. 13. Oct. 23-30. Oct. 27-Nov. 9. Oct. 9-16. | 7 2 | 21 34 3,456 11 5 | Present. |
| Brazil: Bahia. Rio de Janeiro. China: Hankow Ecuador: Guayaquil. India, general. Bombay Calcutta Rangoon. Indo-China: | PLAGUE. Oct. 22-Nov. 5. Oct. 25-Nov. 1. Dec. 7. Oct. 9-23. Oct. 30-Nov. 13. Oct. 23-30. Oct. 27-Nov. 9. Oct. 9-16. Oct. 23-30. Oct. 16-30. | 4,287 | 3 21 34 3,456 11 5 | Present. |
| Brazil: Bahia. Rio de Janeiro. China: Hankow Ecuador: Guayaquil. India, general. Bombay. Calcutta. Rangoon. Indo-China: Saigon. | PLAGUE. Oct. 22-Nov. 5. Oct. 25-Nov. 1. Dec. 7. Oct. 9-23. Oct. 30-Nov. 13. Oct. 23-30. Oct. 27-Nov. 9. Oct. 9-16. Oct. 23-30. Oct. 16-30. | 4,287 | 3 21 34 3,456 11 5 10 6 | Present. |
| Brazil: Bahia. Rio de Janeiro. China: Hankow Ecuador: Guayaquil. India, general. Bombay Calcutta Rangoon. Indo-China: | PLAGUE. Oct. 22-Nov. 5. Oct. 25-Nov. 1. Dec. 7. Oct. 9-23. Oct. 30-Nov. 13. Oct. 23-30. Oct. 27-Nov. 9. Oct. 9-16. Oct. 23-30. Oct. 16-30. | 4,287 | 3 21 34 3,456 11 5 10 6 | Present. |

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon-General,

United States Public Health and Marine-Hospital Service.